



Suppliers and Items Data Standards

Finance, Procurement and Information Management

HISO 10084.1:2024



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Document Control

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* Updating the text to reflect the establishment of Health NZ.
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## Purpose

This document sets out the minimum data set needed to identify, classify and describe medical devices for supply chain systems. It defines the supplier and item information that is shared between parties in the New Zealand health and disability system, including Districts, suppliers, PHARMAC and Health New Zealand | Te Whatu Ora (Health NZ) Finance.

Data standards for the health and disability system underpin the ability to share data with common definition and meaning. This publication has been created to support the national Health System Catalogue. It has been informed by the master data standards work that was signed off in 2017 by all 20 Districts.

This document defines a core set of national master data standards that provide the basis for establishing the meaning and purpose of supplier and item data, and the way it is managed and shared across the wider health and disability system, to support procurement, purchasing, distribution and consumption.

The standard is used to represent suppliers and items in the Health System Catalogue, which publishes information suitable for using within the operational systems of Districts, suppliers, PHARMAC and Health NZ Finance, where the procurement, purchasing, distribution and consumption of medical devices and other products and services is performed.

The Health System Catalogue is a central component of the [**Health Finance, Procurement and Information Management (FPIM)**](http://www.nzhealthpartnerships.co.nz/about-our-programmes/health-finance-procurement-information-management-system/) operational platform that Health NZ Finance is building.

This version of the standard defines the minimum set of data elements for suppliers and items to enable Districts to review the quality of their data and commence the required data cleansing activities.

The standard will evolve over time to meet new business requirements, as these are determined. Future editions of the standard will include additional types of items and services used in the health sector.

## Scope

The scope of this standard is to define the supplier and item data elements that support the purchase of products and services as items in the Health System Catalogue.

We recognize that other entities (for example, contracts) are needed to fully support the high-level supply chain business process. However, for the purposes of providing a set of data standards for Districts to review and use to commence data cleansing activities, we believe the supplier and item data set is the natural place to start.

This document does not provide a technical specification for implementation, such as creating the data elements in a database system. It does not outline issues such as table structures, key fields and relationships between data elements, but it does provide a logical data set specification for operational database systems.

Additional data elements may be necessary to ensure the data is properly validated and presented, for example, the [**United Nations Standard Products and Services Code (UNSPSC)**](https://www.unspsc.org/) should be implemented with an appropriate description data element to enable users to correctly interpret the code’s meaning.

## Background

In October 2020, the Minister of Health and the Minister of Finance approved the Health System Catalogue business case endorsed by all 20 Districts and the FPIM Governance Board. The business case proposed a 21-month foundation programme of work to implement a solution, including progressive delivery of data standards, a national procurement catalogue, enhanced spend data reporting, compliance processes and a common chart of accounts, to improve procurement value for money.

The solution centres on three components:

* The Health System Catalogue, a single, always up-to-date and comprehensive national procurement catalogue that all Districts use as an integral part of business, enabling Districts to comply with the collective contracts negotiated by contract owners
* The Spend Data Repository, a central database that records the actual spend by all Districts, plus the reporting and analytics capabilities necessary for Districts and contract owners to better understand what is being purchased, where and at what price
* A data integration service that integrates the Health System Catalogue with District enterprise resource planning (ERP) systems, suppliers’ systems and the Spend Data Repository.

Districts and suppliers have to date used locally compiled master data about medical devices. Some of the required standard identifiers and attributes have been used in some organisations’ data sets, but not consistently across the sector.

This document establishes a common vocabulary and set of data requirements for suppliers and items master data, so that Districts, suppliers, PHARMAC and Health NZ Finance will be able to efficiently and accurately interoperate in the procurement, purchasing, distribution and consumption of medical devices.

This standard utilises established global and New Zealand standards for identifying, classifying and describing items and suppliers. The use of these established standards will reduce uncertainty about the identity of items and suppliers and will increase the ability to incorporate information automatically from industry data pools and to transact electronically.

The published HISO standards relevant to this standard are:

* [**HISO 10024.2:2017 Medical Device Terminology and Identification Standards**](https://www.health.govt.nz/publication/hiso-1002422017-medical-device-terminology-and-identification-standards)
* [**HISO 10029:2022 Health Information Security Framework**](https://www.tewhatuora.govt.nz/publications/health-information-security-framework)
* [**HISO 10063:2016 GS1 Standards Endorsement**](https://www.health.govt.nz/publication/hiso-10063-gs1-standards)
* [**HISO 10033:2017 SNOMED CT Endorsement**](https://www.health.govt.nz/publication/hiso-10033-snomed-ct)

Relevant legislation and regulations includes the following:

* Pae Ora Act 2022
* Health Act 1956
* Health and Disability Commissioner (Code of Health and Disability Services Consumers’ Rights) Regulations 1996
* Health Information Privacy Code 2020
* Privacy Act 2020
* New Zealand Business Number Act 2016
* Hazardous Substance and New Organisms Act 1996

## Definitions

The following special terms are used in this document.

**Health System Catalogue item** – a product or service represented in the Health System Catalogue. The item representation of a product is equivalent to the type of object manufactured and its function, regardless of the number of units of product aggregated into packaging. A product is manifested as one or more Trade Items.

**Trade item** – any product or service that may be priced, ordered or invoiced at any point in the supply chain. The aggregation level (or single unit) of a product or service that may be priced, or ordered, or invoiced at any point in any supply chain. An aggregation of multiple units may be a pack or case, for example, each of these levels being a different Trade Item.

**Global Data Synchronization Network (GDSN)** – an internet-based interconnected network of interoperable data pools and a global registry known as the GS1 Global Registry that enables companies around the globe to exchange standardised and synchronised supply chain data with their trading partners.

**Global Location Number (GLN)** – GS1 standard identifier that enables the unique and unambiguous identification of legal entities, functions, physical locations and digital locations.

**GS1** – a not-for-profit organization that develops and maintains global standards for business communication.

**Global Trade Item Number (GTIN)** – GS1 standard identifier used to uniquely identify a Trade Item in the global supply chain.

**Master data** – stable and authoritative reference information about an entity. The same information needs to be used to identify and describe the entity across business processes, organisations and systems to avoid inconsistency, ambiguity and unhelpful duplication of entity information. Examples of entities which need to have their master data managed are supplier and Trade Item.

**New Zealand Business Number (NZBN)** – a globally unique identifier available to all New Zealand businesses.

**SNOMED CT** – standard global terminology for health care providing concepts, codes, terms, synonyms and definitions used in clinical documentation and reporting. The [**SNOMED NZ Edition**](https://www.health.govt.nz/nz-health-statistics/classification-and-terminology/new-zealand-snomed-ct-national-release-centre/snomed-ct-subsets-and-maps), incorporating the SNOMED CT International Edition and released in April and October every year, is the standard distribution.

**UN Standard Products and Services Code (UNSPSC)** – taxonomy of products and services used for e-commerce. It is a coding system for goods and services that enables goods and services to be described in a common way.

## Data set specification

This section provides a templated definition for each data element making up the overall suppliers and medical device data set. This is a collected set of logical data requirements and does not constitute a specification for any one system or implementation.

Data element specifications are provided for:

* Health System Catalogue item data elements
* Trade item data elements
* Supplier data elements

#### Data element template

Data element specifications are presented in the following templated form based on publicly available standard [**ISO/IEC 11179 Information Technology – Metadata Registries (MDR)**](https://standards.iso.org/ittf/PubliclyAvailableStandards/index.html). The template is extended in this document to a number of additional metadata elements needed for the purpose.

|  |  |
| --- | --- |
| **Name** | Data element name |
| **Definition** | A statement that expresses the essential nature of the data element and its differentiation from other elements in the data set |
| **Purpose** | A statement that expresses the reason for the data element |
| **Use case** | A statement that expresses the situation in which the data element could potentially be used. |
| **Source standards** | Established data definitions or guidelines pertaining to the data element |
| **Authoritative source** | Potential location where the data originates from in the suggested order of preference |
| **Data type** | Alphabetic (A)DateDate/timeNumeric (N)Alphanumeric (X)Boolean | **Representational class** | CodeIdentifierTextDate | Date/timeIndicatorValue |
| **Field size** | Maximum number of characters for string elements | **Representational layout** | The formatted arrangement of characters, eg:X(50) for a 50-character alphanumeric stringNNN for a 3-digit number |
| **Value domain** | The named, enumerated or described set of valid values or codes that are acceptable for the data elementEach coded data element has a specified code set |
| **Obligation** | Indicates if the data element is mandatory, conditional or optional.**Mandatory** means the field is required unless an exception process if followed**Conditional** means the field is required based on the value of another field**Optional** means that the field is available but is not obligatory |
| **Guide for use** | Additional guidance to inform use of the data element, including verification rules |

In addition to the above named data types, any of the data types listed in publicly available standard [**ISO/IEC 114-04:2007 Information technology – General purpose data types**](https://standards.iso.org/ittf/PubliclyAvailableStandards/index.html) may be used in data element specifications.

Similarly, see Annex F of [**ISO/IEC 11179-3 Information technology – Metadata registries – Part 3: Registry metamodel and basic attributes**](https://standards.iso.org/ittf/PubliclyAvailableStandards/index.html) lists further permissible representation classes.

#### Character sets

Text data elements must accommodate macrons for te reo Māori and diacritic characters for other commonly used languages. By default, this means using the Unicode Basic Latin, Latin-1 Supplement and Latin Extended A character sets.

[**ISO/IEC 10646:2017 Information technology – Universal Coded Character Set (UCS)**](https://www.iso.org/standard/69119.html) is the character set standard and UTF-8 the required character encoding. Alphabetic and alphanumeric codes and identifiers are at least restricted to printable Basic Latin characters and normally further.

### Health System Catalogue items

This section describes the data elements used to describe Health System Catalogue items. The definition of a Health System Catalogue item is a grouping of Trade Items that constitutes a product or service.

#### Health System Catalogue Item Identifier

|  |  |
| --- | --- |
| **Name** | Health System Catalogue Item identifier |
| **Definition** | A unique character or string of numbers assigned to a Trade Item that is any product or service that may be priced, ordered or invoiced at any point in the supply chain. |
| **Purpose** | Provides a unified unique Trade Item identifier for efficient integration of information within the health sector, within the business processes and between systems. - e.g., Article\_1616580919049345 |
| **Use case** | Used to uniquely identify a trade item. |
| **Source standards** | - |
| **Authoritative source** | Internal system |
| **Data type** | Alphanumeric (X)  | **Representational class** | Identifier  |
| **Field size** | 10 | **Representational layout** | X(10)  |
| **Value domain** | - |
| **Obligation** | Mandatory |
| **Guide for use** | - |

#### UNSPSC Code

|  |  |
| --- | --- |
| **Name** | UNSPSC Code |
| **Definition** | The United Nations Standard Products and Services Code (UNSPSC) is a global hierarchical code system used to classify all products and services.  |
| **Purpose** | Used to accurately classify goods and services. - e.g.,* Level: Commodity
* Code: 42131701
* Description: Surgical drapes
 |
| **Use case** | Used to communicate the classification system. |
| **Source standards** | UNSPSC, Level 4: Commodity |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric | **Representational class** | Identifier |
| **Field size** | 8 | **Representational layout** | N(8) |
| **Value domain** | - |
| **Obligation** | Mandatory |
| **Guide for use** | UNSPSC Version 19 Commodity level (L4) is being utilised.Refer to ‘Item Category and Expense Account Report’ for FPIM UNSPSC to FRED Item account mapping. |

#### Manufacturer Name

|  |  |
| --- | --- |
| **Name** | Manufacturer Name |
| **Definition** | Descriptive name of the manufacturer of the Trade Item. |
| **Purpose** | Enables the ability to search for items based on the manufacturer's name and part number, could also be used to enable recalls (as required). - e.g., 3M Company  |
| **Use case** | Used to provide the manufacturer name. |
| **Source standards** | GS1: manufacturerOfTradeItem -> partyName (string, 200) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 200 | **Representational layout** | X(200) |
| **Value domain** |  -  |
| **Obligation** | Mandatory |
| **Guide for use** |  - |

#### Manufacturer Internal Reference

|  |  |
| --- | --- |
| **Name** | Manufacturer Internal Reference |
| **Definition** | The part number that the manufacturer has assigned to an item. |
| **Purpose** | This field is used to identify the internal reference number or internal product number allocated to the product by the manufacturer of the item. - e.g., 70200759549 |
| **Use case** | Used by the manufacturer to provide the product part number. |
| **Source standards** | GS1: manufacturerInternalReference (string, 255) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 255 | **Representational layout** | X(255) |
| **Value domain** |  -  |
| **Obligation** | Mandatory |
| **Guide for use** | This field should contain the manufacturer's part number – ie, allocated by the manufacturer (brand owner). |

### Trade Item data elements

This section describes the data elements used to represent Trade Items. A Trade Item aligns with the GS1 definition. A Trade Item is any product or service that may be priced, ordered or invoiced at any point in the supply chain. Items within a packaging hierarchy are distinct Trade Items.

#### Global Trade Item Number (GTIN)

|  |  |
| --- | --- |
| **Name** | Global Trade Item Number (GTIN) |
| **Definition** | The global number that uniquely identifies a product and its various packaging levels; often represented as a barcode on the product. |
| **Purpose** | An external reference identifier to the GS1 catalogue, used to lookup additional master details and used to synchronise the local item catalogue with the GS1 catalogue. – e.g., 04250676709011 |
| **Use case** | Used for any product or service ordered, invoiced, shipped, in store or online.  |
| **Source standards** | GS1: tradeItem -> gtin (numeric, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Identifier  |
| **Field size** | 14  | **Representational layout** | N(14) |
| **Value domain** |  -  |
| **Obligation** | Mandatory |
| **Guide for use** | This field must be provided for all levels of packaging.This field must contain only a GS1-allocated GTIN value, not any other identifier assigned in lieu of a GTIN.This field must always have 14 digits. Please use padded zeros for GTINs less than 14 digits.Error! Reference source not found. |

#### Functional Name

|  |  |
| --- | --- |
| **Name** | Functional Name |
| **Definition** | Describes the use of the product or service by the consumer. |
| **Purpose** | To describe the product or service in a generic manner. – e.g., Micro Hook |
| **Use case** | Used to provide the functional description for the product or service. |
| **Source standards** | GS1: functionalName (description, 35) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 35 | **Representational layout** | A(35) |
| **Value domain** | -  |
| **Obligation** | Mandatory |
| **Guide for use** | Error! Reference source not found.Derive the functional name from the SNOMED CT preferred term for the product or service where possible |

#### Variant Description

|  |  |
| --- | --- |
| **Name** | Variant Description |
| **Definition** | Text that identifies the variant of the Trade Item. Variants are the distinguishing characteristics that differentiate products with the same brand and size. |
| **Purpose** | To communicate differentiating characteristics of the product in a product line, identified by unique GTINs.- e.g.,* Trade Item Description = Spiggle & Theis Zöllner Micro Hook 45° curved upwards 0.5mm 1EA
* Variant Description = 45° curved upwards 0.5mm
 |
| **Use case** | Used as part of the **Trade Item Description** to indicate the available product variations. |
| **Source standards** | GS1: variantDescription (description, 500) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 500 | **Representational layout** | X(500) |
| **Value domain** | -  |
| **Obligation** | Mandatory  |
| **Guide for use** | Error! Reference source not found. |

#### Brand Name

|  |  |
| --- | --- |
| **Name** | Brand Name |
| **Definition** | The brand name is the distinctive name of a product, the word part of a trademark, or the name of the manufacturer to uniquely identify a line of Trade Items or service. |
| **Purpose** | This is the recognisable name used by a brand owner to uniquely identify a line of Trade Items or services – eg., Spiggle & Theis |
| **Use case** | Used as part of the **Trade Item Description** to indicate the primary brand of the product. |
| **Source standards** | GS1: brandName (string, 70) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 70 | **Representational layout** | X(70) |
| **Value domain** | -  |
| **Obligation** | Mandatory |
| **Guide for use** | Error! Reference source not found. |

#### Sub-Brand

|  |  |
| --- | --- |
| **Name** | Sub-Brand  |
| **Definition** | The second level of a brand, that can be a trademark. |
| **Purpose** | It is the primary differentiating factor that a brand owner wants to communicate to the recipient. – e.g., The Brand Name is ‘Spiggle & Theis ‘and the Sub-Brand is ‘Zöllner’. |
| **Use case** | Used as part of the **Trade Item Description** to indicate the secondary brand of the product; that must always be different from the brand name. |
| **Source standards** | GS1: subBrand (string, 70) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 70 | **Representational layout** | X(70) |
| **Value domain** |  -  |
| **Obligation** | Optional |
| **Guide for use** | Error! Reference source not found. |

#### Trade Item Description

|  |  |
| --- | --- |
| **Name** | Trade Item Description |
| **Definition** | The description of the Trade Item, which is a concatenation of the following attributes: Brand, Sub-Brand, Functional Name, Variant Description, Net Content (base unit), Child Quantity (case) . |
| **Purpose** | To provide the trade description including the net content/UOM. – e.g., Spiggle & Theis Zöllner Micro Hook 45° curved upwards 0.5mm 1EA* Brand = Spiggle & Theis
* Sub-Brand = Zöllner
* Functional Name = Micro Hook
* Variant = 45° curved upwards 0.5mm
* Net Content = 1.00
* Net Content UOM = EA
 |
| **Use case** | Used to provide the unique trade item description. |
| **Source standards** | GS1: tradeItemDescription (description, 200) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 200 | **Representational layout** | X(200) |
| **Value domain** |  -  |
| **Obligation** | Mandatory |
| **Guide for use** | This attribute must be the concatenation of attribute values for Brand, Sub Brand, Functional Name and Variant Description. Furthermore, suppliers must include the base unit Net Content / UOM and child quantity as part of the product description.Error! Reference source not found. |

#### SNOMED CT Medical Device Code

Refer to [**HISO 10024.2:2017 Medical Device Terminology and Identification Standards**](https://www.health.govt.nz/publication/hiso-1002422017-medical-device-terminology-and-identification-standards)for information about the use of SNOMED CT for medical device terminology.

|  |  |
| --- | --- |
| **Name** | SNOMED CT Medical Device Code |
| **Definition** | Coded clinical term for the type of medical device item; it is the information standard for the health and disability sector in NZ. |
| **Purpose** | To enable the search for items matching a certain clinical terminology. – e.g., 463742000 = Bariatric Bed (physical object) |
| **Use case** | Used to inform the clinical terminology that is used to record and share health information. |
| **Source standards** | [**SNOMED CT**](https://www.snomed.org/snomed-ct/five-step-briefing) |
| **Authoritative source** | [**SNOMED International**](https://www.snomed.org/) |
| **Data type** | Numeric | **Representational class** | Code |
| **Field size** | 18 | **Representational layout** | N(18) |
| **Value domain** | SNOMED CT concept identifier |
| **Obligation** | Optional |
| **Guide for use** | Use when there is an applicable SNOMED CT term for the item |

#### Net Content

|  |  |
| --- | --- |
| **Name** | Net Content |
| **Definition** | The amount of the trade item contained by a package as claimed on the label. |
| **Purpose** | Hospitals use this value to create scanner labels that match the package. It’s important that the value here matches the label claim exactly. - e.g., 1 |
| **Use case** | Used to inform the recipient of the contained amount of the product; also used for product / price comparison. |
| **Source standards** | GS1: netContent (decimal,15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Value |
| **Field size** | 15  | **Representational layout** | N(15) |
| **Value domain** |  -  |
| **Obligation** | Conditional: This field must have a value when this Trade Item is a base unit |
| **Guide for use** | To be entered when it is the base unit.Error! Reference source not found. |

#### Net content UOM

|  |  |
| --- | --- |
| **Name** | Net content UOM |
| **Definition** | The unit of measure of the net content of the Trade Item. |
| **Purpose** | Hospitals use this value to create scanner labels that match the package. It’s important that the value here matches the label claim exactly. e.g., Each, Millilitres, Kilograms, |
| **Use case** | Used in conjunction with **Net Content** to inform the unit of measure. |
| **Source standards** | GS1: measurementUnitCode (string, 15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Code |
| **Field size** | 15 | **Representational layout** | X(15) |
| **Value domain** | **[GS1 NPC Code list](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/net-content-uom)**[**Appendix 2 – Net Content Unit of Measure**](#appex2) |
| **Obligation** | Conditional: This field must have a value when **Trade Item** is a base unit. |
| **Guide for use** | To be entered when it is the Base Unit.Error! Reference source not found. |

#### Number of Base Units

|  |  |
| --- | --- |
| **Name** | Number of Base Units |
| **Definition** | A reference to the number of GTINs of the lowest level of product contained within this product’s family hierarchy. |
| **Purpose** | To indicate the number of base units in the particular level of the packaging hierarchy. This field is populated when the item is NOT the base unit. – e.g., 1. |
| **Use case** | Used to inform the total number of base units that are contained in the product packaging. |
| **Source standards** | GS1: numberOfBaseUnits (integer, 8) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Value |
| **Field size** | 8  | **Representational layout** | N(8) |
| **Value domain** |  -  |
| **Obligation** | Conditional: This field must have a value when this Trade Item is NOT a base unit |
| **Guide for use** | To be populated at all levels of packaging except for base units. Error! Reference source not found. |

#### GTIN of base unit

|  |  |
| --- | --- |
| **Name** | GTIN of base unit |
| **Definition** | A reference to the GTIN of the lowest level of product contained within this item’s packaging hierarchy.  |
| **Purpose** | Provides a reference back to the base unit for every item within the packaging hierarchy. |
| **Use case** | Used to indicate the GTIN of the base unit within a packaging hierarchy. |
| **Source standards** | GS1: gTINOfBaseUnit (string, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Identifier |
| **Field size** | 14 | **Representational layout** | N(14) |
| **Value domain** | - |
| **Obligation** | Conditional: This field must have a value when this Trade Item is NOT a base unit |
| **Guide for use** | To be populated at all levels of packaging except for base units.Error! Reference source not found. |

#### Is Trade Item A Base Unit

|  |  |
| --- | --- |
| **Name** | Is Trade Item A Base Unit. |
| **Definition** | An indicator identifying the Trade Item as the base unit level of the trade item hierarchy. |
| **Purpose** | To specify that this product is at the lowest level of the hierarchy. |
| **Use case** | Used to indicate that the product does not contain another intended sellable unit. |
| **Source standards** | GS1: isTradeItemABaseUnit (boolean, 5) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 5  | **Representational layout** | A(5) |
| **Value domain** | Yes, No |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are true (Yes), false (No).Error! Reference source not found. |

#### Trade Item Unit Descriptor Code (base, inner, case)

|  |  |
| --- | --- |
| **Name** | Trade Item Unit Descriptor Code (base, inner, case). |
| **Definition** | Describes the GTIN hierarchical level of the Trade Item. |
| **Purpose** | To identify and navigate the different hierarchical levels of the trade item– e.g., * BASE\_UNIT\_OR\_EACH = IV3000 Cannula Dressing 5cm x 6cm Sterile 1EA
* PACK\_OR\_INNER\_PACK = IV3000 Cannula Dressing 5cm x 6cm Sterile 1EA x 100
 |
| **Use case** | Used to inform the trade item hierarchy level. |
| **Source standards** | GS1: tradeItemUnitDescriptorCode (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic(A)  | **Representational class** | Code |
| **Field size** | 80  | **Representational layout** | A(80) |
| **Value domain** | **[GS1 NPC Code list](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/trade-item-unit-descriptor-code)**[**Appendix 3 – Trade Item Unit Descriptor (base, inner, case)**](#_Appendix_3_–) |
| **Obligation** | Mandatory |
| **Guide for use** | Error! Reference source not found. |

#### Is Trade Item A Consumer Unit

|  |  |
| --- | --- |
| **Name** | Is Trade Item A Consumer Unit |
| **Definition** | Identifies whether the Trade Item is to be taken possession of, or to be consumed or used by an end user or both, as determined by the manufacturer. |
| **Purpose** | To indicate that the product can be purchased. |
| **Use case** | Used to inform ordering. |
| **Source standards** | GS1: isTradeItemAConsumerUnit (Boolean, 5) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 5 | **Representational layout** | A(5) |
| **Value domain** | Yes, No |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are true (Yes), false (No).Error! Reference source not found. |

#### Is Trade Item A Despatch Unit

|  |  |
| --- | --- |
| **Name** | Is Trade Item A Despatch Unit |
| **Definition** | Specifies if the Trade Item is a despatch (shipping) unit.  |
| **Purpose** | This is useful as all levels of the packaging hierarchy are recorded. So this will indicate to the ERP which item in the hierarchy the supplier is able to despatch. |
| **Use case** | Used to indicate that the trade item is a shipping unit. |
| **Source standards** | GS1: isTradeItemADespatchUnit (Boolean, 5) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 5 | **Representational layout** | A(5) |
| **Value domain** | Yes, No |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are true (Yes), false (No).There can be multiple despatch units in a hierarchy.Error! Reference source not found. |

#### Is Trade Item An Invoice Unit

|  |  |
| --- | --- |
| **Name** | Is Trade Item An Invoice Unit |
| **Definition** | Specifies if the information provider considers the Trade Item as an invoice unit. (will include this Trade Item on the billing or invoice). |
| **Purpose** | This is useful as all levels of the packaging hierarchy are recorded. So this will indicate to the ERP which item in the hierarchy the supplier is able to invoice out. |
| **Use case** | Used to indicate that the trade item is invoiceable. |
| **Source standards** | GS1: isTradeItemAnInvoiceUnit (Boolean, 5) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 5 | **Representational layout** | A(5) |
| **Value domain** | Yes, No |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are true (Yes), false (No)There can be multiple invoice units in a hierarchy.Error! Reference source not found. |

#### Is Trade Item An Orderable Unit

|  |  |
| --- | --- |
| **Name** | Is Trade Item an orderable unit |
| **Definition** | Specifies whether this Trade Item is at a hierarchy level that accepts orders from suppliers. |
| **Purpose** | This is useful as all levels of the packaging hierarchy are recorded. So this will indicate to the ERP which item in the hierarchy the supplier is able to despatch. |
| **Use case** | Used to indicate that the trade item is orderable. |
| **Source standards** | GS1: isTradeItemAnOrderableUnit (Boolean, 5) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 5 | **Representational layout** | A(5) |
| **Value domain** | Yes, No |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are true (Yes), false (No).There can be multiple order units in a hierarchy.Error! Reference source not found. |

#### Trade Item Country of Origin

|  |  |
| --- | --- |
| **Name** | Trade Item Country of Origin |
| **Definition** | The country code in which the goods are produced or manufactured.  |
| **Purpose** | Provides visibility of where a product has been manufactured. -e.g., 036 = Australia |
| **Use case** | Used to inform the specific country of origin as declared on the product. |
| **Source standards** | ISO |
| **Authoritative source** | Supplier,  |
| **Data type** | Alphanumeric (X)  | **Representational class** | Code |
| **Field size** | 3 | **Representational layout** | X(3) |
| **Value domain** | **ISO 3166-1**Country codes are listed on the [**ISO online browsing platform**](https://www.iso.org/obp/ui/#home)[**Appendix 4 – Trade item country of origin**](#_Appendix_4_–) |
| **Obligation** | Optional |
| **Guide for use** | - |

#### Is Trade Item A Dangerous Good

|  |  |
| --- | --- |
| **Name** | Is Trade Item a dangerous good |
| **Definition** | This flag is used to indicate if the Trade Item is considered a dangerous good. |
| **Purpose** | Dangerous goods are substances or articles that are potentially dangerous to people, property and the environment. They include materials that are explosive, flammable, spontaneously combustible (burst into flames without being lit), water reactive (produce flammable or toxic gases if mixed with water), oxidizing (help a fire to burn more fiercely), toxic (poisonous) or corrosive. |
| **Use case** | Used to indicate that the trade item is a dangerous good. |
| **Source standards** | GS1: isTradeItemADangerousGood (string, 1) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** |  Code |
| **Field size** | 1 | **Representational layout** | A(1) |
| **Value domain** | Y, N |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are Y (Yes), N (No) |

#### Is Trade Item A Hazardous Good

|  |  |
| --- | --- |
| **Name** | Whether Trade Item is a Hazardous Good |
| **Definition** | This flag is used to indicate if the Trade Item is considered a hazardous good. |
| **Purpose** | Hazardous goods are chemicals or chemical compounds that are hazardous to humans and environment. A hazardous substance can be a single chemical or a mixture of two or more chemicals formulated to make a chemical product. |
| **Use case** | Used to indicate that the trade item is a hazardous good. |
| **Source standards** | GS1: isTradeItemAHazardousGood (string, 1) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** |  Indicator |
| **Field size** | 1 | **Representational layout** | A(1) |
| **Value domain** | Y, N |
| **Obligation** | Mandatory |
| **Guide for use** | Valid values are Y (Yes), N (No) |

#### Dangerous Goods Hazardous Code

|  |  |
| --- | --- |
| **Name** | Dangerous Goods Hazardous Code |
| **Definition** | Dangerous goods hazard ID number. |
| **Purpose** | Must be applied to the vehicle when transporting this Trade Item by road or rail, used to inform the police, the fire brigade, and others about the kind of danger that the cargo can cause in an accident. |
| **Use case** | Used to provide the code that is applied to the vehicle transporting dangerous goods by road or rail. |
| **Source standards** | GS1: dangerousGoodsHazardousCode (string, 35) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Code |
| **Field size** | 35 | **Representational layout** | X(35) |
| **Value domain** | - |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y |
| **Guide for use** | - |

#### Dangerous Goods Technical Name

|  |  |
| --- | --- |
| **Name** | Dangerous Goods Technical Name |
| **Definition** | Chemical term of the Trade Item as listed in the substance list of GGVS (Dangerous Goods Ordinance for Roads). |
| **Purpose** | To identify the technical name of the dangerous good. |
| **Use case** | Used in conjunction with Is **Trade Item A Dangerous Good** to provide the technical name of the dangerous good being transported. |
| **Source standards** | GS1: dangerousGoodsTechnicalName (description, 1000) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 1000 | **Representational layout** | X(1000)  |
| **Value domain** | - |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y |
| **Guide for use** | - |

#### Dangerous Goods Regulation Code

|  |  |
| --- | --- |
| **Name** | Dangerous Goods Regulation Code |
| **Definition** | Code indicating the classification system(s) of dangerous goods or the agency(ies) responsible for it. |
| **Purpose** | Dangerous good or hazardous attributes that relate to supply chain handling – eg, transport, storage handling. |
| **Use case** | Used to inform the dangerous goods regulation code. |
| **Source standards** | GS1: dangerousGoodsRegulationCode (string, 70) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Code  |
| **Field size** | 70 | **Representational layout** | X(70)  |
| **Value domain** | **[GS1 NPC Code list](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/dangerous-goods-regulation-code)**[**Appendix 5 – Dangerous Goods Regulation Code**](#appex5) |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y and/or ‘Is Trade Item a Hazardous Good is Y |
| **Guide for use** | - |

#### Dangerous goods shipping name

|  |  |
| --- | --- |
| **Name** | Dangerous goods shipping name |
| **Definition** | Shipping name of the Trade Item (dangerous goods). |
| **Purpose** | The recognized agencies, in their regulations, provide a list of all acceptable shipping names. – e.g., Flammable Liquid |
| **Use case** | Used to inform the shipping name of the trade item |
| **Source standards** | GS1: dangerousGoodsShippingName (string, 1000) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 1000 | **Representational layout** | X(1000) |
| **Value domain** |  -  |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y |
| **Guide for use** | - |

#### HSNO approval number

|  |  |
| --- | --- |
| **Name** | HSNO approval number |
| **Definition** | Attribute to communicate the HSNO Approval Number (Group Standard Number). |
| **Purpose** | In order to meet the requirements of the Hazardous Substances and New Organisms (HSNO) standard you will need to use this attribute to communicate the HSNO Approval Number (Group Standard Number). – e.g., HSR (Industrial and Institutional Cleaning Products (Corrosive, Toxic [6.7]) Group Standard 2006) |
| **Use case** | Used to inform the HSNO approval number. |
| **Source standards** | GS1: hSNOApprovalNumber (string, 11) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Identifier  |
| **Field size** | 11 | **Representational layout** | X(11) |
| **Value domain** |  -  |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y and/or ‘Is Trade Item a Hazardous Good is Y |
| **Guide for use** |  - |

#### HSNO classification

|  |  |
| --- | --- |
| **Name** | HSNO classification |
| **Definition** | Attribute used to communicate substance category/classification code. |
| **Purpose** | In order to meet the requirements of the Hazardous Substances and New Organisms (HSNO) standard you will need to use this attribute to communicate substance category/classification code. – e.g., 2.1.2A (Flammable aerosol). |
| **Use case** | Used to inform the substance category / classification code. |
| **Source standards** | GS1: hSNOClassification (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X)  | **Representational class** | Identifier |
| **Field size** | 80 | **Representational layout** | X(80) |
| **Value domain** | [**www.epa.govt.nz**](http://www.epa.govt.nz) |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y and/or ‘Is Trade Item a Hazardous Good is Y |
| **Guide for use** |  - |

#### Safety Data Sheet Issue Date

|  |  |
| --- | --- |
| **Name** | Safety Data Sheet (SDS) Issue Date |
| **Definition** | The date on which the Safety Data Sheet is issued. A Safety Data Sheet is a document containing important information about a hazardous chemical (which may be a hazardous substance and/or dangerous good). |
| **Purpose** | To identify the issue date of the safety data sheet. – e.g., 18-10-2023 |
| **Use case** | Used to notify the issue date of the trade item safety data sheet. |
| **Source standards** | GS1: sdsIssueDate (date, 10) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Date | **Representational class** | Date |
| **Field size** | 10 | **Representational layout** | CCYY-MM-DD  |
| **Value domain** |  -  |
| **Obligation** | Optional |
| **Guide for use** |  - |

#### Handling Instructions Code

|  |  |
| --- | --- |
| **Name** | Handling instructions code |
| **Definition** | Code that defines the processes required to safely handle the Trade Item. |
| **Purpose** | To identify the information and processes needed to safely handle the trade item. – e.g., Handle with Care, Do Not Freeze, Flammable. |
| **Use case** | Used to inform the proper handling of the product. |
| **Source standards** | GS1: handlingInstructionsCodeReference (string, 35) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Code |
| **Field size** | 35 | **Representational layout** | X(35) |
| **Value domain** | **[GS1 NPC Code list](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/handling-instructions-code)**[**Appendix 6 – Handling instructions code reference**](#_Appendix_6_–) |
| **Obligation** | Optional |
| **Guide for use** | - |

#### Class of Dangerous Goods

|  |  |
| --- | --- |
| **Name** | Class of Dangerous Goods |
| **Definition** | Dangerous goods classification of the Trade Item. |
| **Purpose** | To classify the trade item based on the type of dangerous materials or items present based on the most significant risk. –  |
| **Use case** | Used to in conjunction with **Is Trade Item a Dangerous Good**, to mandate how dangerous goods are to be handled, packaged, labelled, or transported. – e.g. 2.2 (Non Flammable, Non-toxic gases) for Fire Extinguisher Dry Powder |
| **Source standards** | GS1: classOfDangerousGoods (string, 4) |
| **Authoritative source** | Supplier, GS1Refer to: UN Recommendations on the Transport of Dangerous Goods and NZ Transport Agency, dangerous Goods Transported for Domestic Use (Factsheet nbr 69, dated June 2015) |
| **Data type** | Alphanumeric (X) | **Representational class** | Code |
| **Field size** | 4  | **Representational layout** |  X(4) |
| **Value domain** | [**Appendix 7 – Class of dangerous goods code**](#appex7) |
| **Obligation** | Conditional: this field must have a value if ‘Is Trade Item a Dangerous Good’ is Y |
| **Guide for use** | The class value must always be less than 10.http://transport.govt.nz/assets/Import/Documents/Transporting20Dangerous20Goods.pdf |

#### United Nations Dangerous Goods Number

|  |  |
| --- | --- |
| **Name** | United Nations Dangerous Goods Number |
| **Definition** | The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular group of substances. |
| **Purpose** | To classify a substance or a particular group of substances. - e.g., 1155 (DIETHYL ETHER (ETHYL ETHER)) |
| **Use case** | Used to inform the UN dangerous good number that applies to the transportation of the trade item. |
| **Source standards** | GS1: unitedNationsDangerousGoodsNumber (string (numeric), 4) |
| **Authoritative source** | Supplier, GS1Refer to: UN Recommendations on the Transport of Dangerous Goods |
| **Data type** | Numeric (N) | **Representational class** | Identifier  |
| **Field size** | 4  | **Representational layout** | N(4) |
| **Value domain** | - |
| **Obligation** | Conditional: This field must have a value if ‘Is Trade Item a Dangerous Good’ is Y |
| **Guide for use** |  - |

#### Additional Trade Item Description

|  |  |
| --- | --- |
| **Name** | Additional Trade Item Description |
| **Definition** | The additional text that identifies the full description of the product or service.  |
| **Purpose** | This attribute further describes the product and its use – e.g., Cardiac pacing leads or electrodes or accessories. |
| **Use case** | Used to communicate the full description of a product or a service. |
| **Source standards** | GS1: additionalTradeItemDescription (string, 2000) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 2000 | **Representational layout** | X(2000) |
| **Value domain** | - |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#_Appendix_1_–) |

#### Label Description

|  |  |
| --- | --- |
| **Name** | Label Description |
| **Definition** | The literal reproduction of the text featured on a product’s label in the same word-by-word order in which it appears on the front of the product’s packaging. |
| **Purpose** | This attribute describes the product as it appears on the product label word-for-word. – e.g., ‘Panadol Rapid Paracetamol 500mg 20 caplets’ |
| **Use case** | Used to communicate the product description as it appears on the front label. |
| **Source standards** | GS1: labelDescription (string, 500) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 500 | **Representational layout** | X(500) |
| **Value domain** | - |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Is Trade Item A HSC Service

|  |  |
| --- | --- |
| **Name** | Is Trade Item A HSC Service |
| **Definition** | An indicator identifying the trade item as a service such as a product rental or hire.  |
| **Purpose** | This attribute identifies a service; this can be a product that is available for rent or hire. – e.g., a power wheelchair that can be rented for an agreed time period. |
| **Use case** | Used to search for a product service. |
| **Source standards** | GS1: isTradeItemAHSCService (string, 1) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 1 | **Representational layout** | A(1) |
| **Value domain** | **[GS1 NPC Code List](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/is-trade-item-a-service)**[**Appendix 8 – Is Trade Item an HSC Service**](#_Proposed_Appendix_8)Y, N |
| **Obligation** | Optional |
| **Guide for use** | Valid values are Y (true), N (false).To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1)Error! Reference source not found. |

#### Is Trade Item Nonphysical

|  |  |
| --- | --- |
| **Name** | Is Trade Item Nonphysical |
| **Definition** | An indicator identifying that the trade item is not a physical item and as such has no dimensions. |
| **Purpose** | This attribute identifies a service that is non-physical. – e.g., Repairs, or Stock replenishment fee. |
| **Use case** | Used to search for a service. |
| **Source standards** | GS1: isTradeItemNonphysical (string, 1) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Boolean | **Representational class** | Code |
| **Field size** | 1 | **Representational layout** | A(1) |
| **Value domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/is-trade-item-nonphysical)[**Appendix 9 – Is Trade Item Nonphysical**](#_Proposed_Appendix_9_1)Y, N |
| **Obligation** | Optional |
| **Guide for use** | Valid values are Y (true), N (false).To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Referenced Trade Item GTIN

|  |  |
| --- | --- |
| **Name** | Referenced Trade Item GTIN |
| **Definition** | The GTIN associated with the applicable Referenced File Type Code. |
| **Purpose** | This attribute identifies a cross-reference to another product or service using GTINs. The [**referenced file type code**](#_Proposed_Section_5.2.56) provides the type of relationship, such as dependent or alternate, between the associated GTINs. - e.g., a bed is available to be purchased as well as rented,* GTIN = 12345678912345 (Aspire AC3 Bed)
* GTIN Referenced Trade Item = 12345678901234 (Aspire AC3 Bed-Rental)
* GTIN Referenced Trade Item Type Code = DEPENDENT\_PROPRIETARY
 |
| **Use case** | Used in conjunction with [**Referenced File Type Code**](#_Proposed_Section_5.2.56) to identify an underlying product and the relationship type. |
| **Source standards** | GS1: referencedTradeItemTypeCode -> gtin (string, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Identifier |
| **Field size** | 14 | **Representational layout** | N(14) |
| **Value domain** | - |
| **Obligation** | Optional |
| **Guide for use** | This field must contain only a GS1-allocated GTIN value, not any other identifier assigned in lieu of a GTIN.This field must always have 14 digits. Please use padded zeros for GTINs less than 14 digits.This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### GTIN Referenced Trade Item Type Code

|  |  |
| --- | --- |
| **Name** | GTIN Referenced Trade Item Type Code |
| **Definition** | A code depicting the type of trade item that is referenced for a specific purpose for example substitute, replaced by, equivalent trade items. |
| **Purpose** | To identify the specific purpose of the cross-reference – e.g., EQUIVALENT – a product that can be substituted for the trade item based on supplier defined functional equivalence to the trade item.DEPENDENT\_PROPRIETARY – indicates the trade item identification of a product that is a product service (rental). |
| **Use case** | Used in conjunction with **Referenced Trade Item GTIN** to identify the relationship of an underlying product. |
| **Source Standards** | GS1: referencedTradeItemTypeCode (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic (A) | **Representational class** | Code |
| **Field Size** | 80 | **Representational layout** | A(80) |
| **Value Domain** | **GS1 NPC Code List**[**Appendix 10 – GTIN Referenced Trade Item Type Code**](#_Proposed_Appendix_10_1) |
| **Obligation** | Conditional: This field must have a value if ‘Referenced Trade Item GTIN’ is entered. |
| **Guide for use** | This field must be provided for all levels of packaging.**Appendix 1 – Common examples of packaging hierarchy** |

#### Medsafe Risk Classification

|  |  |
| --- | --- |
| **Name** | Medsafe Risk Classification |
| **Definition** | For medical devices used within NZ healthcare, the Medsafe risk classification code. Risk classification rules determine appropriate risk classification code – e.g., Class I sterile. |
| **Purpose** | This attribute rates the potential risk of a Medical Device; the range is from Class I (low) to Active Implantable Medical Device (AIMD, high). – e.g., Class I sterile |
| **Use case** | The end user is able to identify the risk class and description of a medical Device. |
| **Source Standards** | GS1: additionalTradeItemClassificationSystemCode = 66 + additionalTradeItemClassificationCodeValue (string, 22)  |
| **Authoritative source** | Supplier, GS1 / **Medsafe** |
| **Data type** | Alphanumeric (X) | **Representational class** | Code |
| **Field Size** | 22 | **Representational layout** | X(22) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medsafe-risk-classification?modal=open)**[Appendix 11 – Medsafe Risk Classification](#_Proposed_Appendix_11_1)**[www.medsafe.govt.nz/regulatory/DevicesNew/3-7RiskClassification.asp](http://www.medsafe.govt.nz/regulatory/DevicesNew/3-7RiskClassification.asp) |
| **Obligation** | Optional  |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### NZ Medicines Terminology Code

|  |  |
| --- | --- |
| **Name** | NZ Medicines Terminology Code (NZMT) |
| **Definition** | The NZMT is a code (CTPP) that is provided by the NZ Ministry of Health for use in the NZ health sector;  |
| **Purpose** | To uniquely identify every medicinal product available in New Zealand. – e.g., 50088011000117107 Children’s Panadol 7+ Years 250 mg tablet: Soluble 12 tablets, blister pack. |
| **Use case** | Used in conjunction with **Healthcare Component Type C1** to identify medicines available in the NZ heath sector. |
| **Source Standards** | GS1: additionalTradeItemIdentificationTypeCode = NZ\_MEDICINES\_TERMINOLOGY\_CODE + additionalTradeItemIdentificationTypeCode -> (value) (string, xx) |
| **Authoritative source** | Supplier, GS1 / NZULMhttp://www.nzulm.org.nz/  |
| **Data type** | Alphanumeric (X) | **Representational class** | Text  |
| **Field Size** | 18 | **Representational layout** | X(18) |
| **Value Domain** | - |
| **Obligation** | Conditional: This field must have a value if [**Healthcare Component Type**](#_Proposed_Appendix_15) **C1 = “M”** is entered. |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Product Height / UOM

|  |  |
| --- | --- |
| **Name** | Product Height / UOM |
| **Definition** | The vertical dimensions of the trade item, measured from the lowest extremity to the highest extremity, including packaging. |
| **Purpose** | To identify the trade item product packaging height measurement. – e.g., * Product Height = 200
* Product Height UOM = MMT
 |
| **Use case** | Used to communicate the packaging height measurement. |
| **Source Standards** | GS1: height + measurementUnitCode (decimal, 15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Value / Code |
| **Field Size** | 15 | **Representational layout** | N(15) |
| **Value Domain** | **[GS1 NPC Code list](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/additional-dimensions-height-uom)**[**Appendix 12 – Product Height, Width, Depth UOM**](#_Proposed_Appendix_12_1) |
| **Obligation** | Mandatory |
| **Guide for use** | The recommended Unit Of Measure is millimetres (MMT).This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Product Width / UOM

|  |  |
| --- | --- |
| **Name** | Product Width / UOM |
| **Definition** | The dimension from left to right of the trade item, in its packaging. |
| **Purpose** | To identify the trade item product width measurement that includes packaging. – e.g., * Product Width = 100
* Product Width UOM = MMT
 |
| **Use case** | Used to communicate the packaging width measurement. |
| **Source Standards** | GS1: width + measurementUnitCode (decimal, 15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) / decimal | **Representational class** | Value / Code |
| **Field Size** | 15 | **Representational layout** | N(15) |
| **Value Domain** | [**GS1 NPC Code list**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/product-width-uom)[**Appendix 12 – Product Height, Width, Depth UOM**](#_Proposed_Appendix_12_1) |
| **Obligation** | Mandatory |
| **Guide for use** | The recommended Unit Of Measure is millimetres (MMT).Use an average value for variable measure trade items.GTIN allocation rules require a new GTIN if the width dimension has changed by more than 20%.This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Product Gross Weight / UOM

|  |  |
| --- | --- |
| **Name** | Product Gross Weight / UOM |
| **Definition** | The weight of the trade item, including all packaging materials. |
| **Purpose** | To identify the trade item product weight measurement that includes packaging– e.g., * Product Gross Weight = 2.25
* Product Weight UOM = KGM
 |
| **Use case** | Used to communicate the packaging weight measurement. |
| **Source Standards** | GS1: grossWeight + measurementUnitCode (decimal, 15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) / decimal | **Representational class** | Value / Code |
| **Field Size** | 15 | **Representational layout** | X(15) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/product-gross-weight-uom)[**Appendix 13 – Product Weight UOM**](#_Proposed_Appendix_13_1) |
| **Obligation** | Mandatory |
| **Guide for use** | The recommended Unit Of Measure is Kilograms (KGM).Use an average value for variable measure trade items.GTIN allocation rules require a new GTIN if the gross weight has changed by more than 20%.This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#_Appendix_1_–) |

#### Product Depth / UOM

|  |  |
| --- | --- |
| **Name** | Product Depth / UOM |
| **Definition** | The dimension from front to back of the trade item, in its packaging.  |
| **Purpose** | To identify the trade item product depth measurement, - e.g., * Product Depth = 120
* Product Depth UOM - MMT
 |
| **Use case** | Used to communicate the packaging depth measurement. |
| **Source Standards** | GS1: depth + measurementUnitCode (decimal, 15) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) / decimal | **Representational class** | Value / Code |
| **Field Size** | 15 | **Representational layout** | N(15) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/product-depth-uom)[**Appendix 12 – Product Height, Width, Depth UOM**](#_Proposed_Appendix_12_1) |
| **Obligation** | Mandatory |
| **Guide for use** | The recommended Unit Of Measure is millimetres (MMT).Use an average value for variable measure trade items.This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Order Quantity Minimum

|  |  |
| --- | --- |
| **Name** | Order Quantity Minimum |
| **Definition** | An agreed-to minimum quantity of the trade item that is orderable. |
| **Purpose** | To identify the minimum trade item quantity that is allowed to be ordered. - e.g., ABC Co. has set ’10 cases’ as the minimum order allowable (each case contains 24 base units); therefore, for the Case, ORDER\_MINIMUM\_QUANTITY = 10. If there is a base unit (each) that is flagged as orderable, the Base Unit ORDER\_MINIMUM\_QUANTITY = 240 (24 in a case times 10). |
| **Use case** | Used to ensure that the orders are at a minimum level to meet processing and shipping requirements. |
| **Source Standards** | GS1: orderQuantityMinimum (integer, 9) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) / Integer | **Representational class** | value |
| **Field Size** | 9 | **Representational layout** | N(9) |
| **Value Domain** | - |
| **Obligation** | Conditional: This field must have a value if ‘’Is Trade Item an Orderable Unit = Yes”. |
| **Guide for use** | This field must be populated for all the items flagged as Orderable Units.This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Order Quantity Multiple

|  |  |
| --- | --- |
| **Name** | Order Quantity Multiple |
| **Definition** | The multiples in which the trade item may be ordered. |
| **Purpose** | To identify the order quantity multiple that can be ordered. - e.g., if the order quantity minimum is 100, and the order quantity multiple is 20, the purchaser must order the trade item in quantities divisible by 20, such as 100, 120, 140, 200. |
| **Use case** | Used to ensure that orders are at a sufficient level to meet processing and shipping requirements. |
| **Source Standards** | GS1: orderQuantityMultiple (integer, 9) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Value |
| **Field Size** | 9 | **Representational layout** | N(9) |
| **Value Domain** | - |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Does Trade Item Contain Latex

|  |  |
| --- | --- |
| **Name** | Does Trade Item Contain Latex |
| **Definition** | An indication that a trade item is made from or contains latex which refers generically to a stable dispersion (emulsion) of polymer microparticles in an aqueous medium. |
| **Purpose** | Used to identify products containing latex. |
| **Use case** | The end user is able to identify products that contain latex.The outcome is that trade items that are identified as containing latex can be displayed. |
| **Source Standards** | GS1: doesTradeItemContainLatex (string, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic (A) | **Representational class** | Code |
| **Field Size** | 14 | **Representational layout** | A(14) |
| **Value Domain** | **GS1 NPC Code List**[**Appendix 14 – Does Trade Item Contain Latex**](#_Proposed_Appendix_14_1)  |
| **Obligation** | Optional |
| **Guide for use** | Valid values are: True, False, Not Applicable, Unspecified.To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Packaging Type Code

|  |  |
| --- | --- |
| **Name** | Packaging Type Code |
| **Definition** | The code that identifies the type of package used as a container for the trade item. |
| **Purpose** | This attribute describes the types of package containers that can be used for the trade item – e.g., a carton is represented as PACKAGING\_TYPE\_CODE = CT. |
| **Use case** | Used in conjunction with **Packaging Material Type Code** to provide information on the type of container the product is packaged in. |
| **Source standards** | GS1: packagingTypeCode (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic (A) | **Representational class** | Code |
| **Field size** | 80 | **Representational layout** | A(80) |
| **Value domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/packaging-type-code)[**Appendix 15 – Packaging Type Code**](#_Proposed_Appendix_15_1) |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Packaging Material Type Code

|  |  |
| --- | --- |
| **Name** | Packaging Material Type Code |
| **Definition** | The code for the type of packaging material of the product. |
| **Purpose** | To describe the materials used for the packaging of the trade item – e.g., glass, corrugated board, metal/steel. |
| **Use case** | Used in conjunction with **Packaging Type Code**The information can be used for calculations/estimations for carbon footprint, tax, duties. |
| **Source standards** | GS1: packagingMaterialTypeCode (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic(A) | **Representational class** | Code |
| **Field size** | 80 | **Representational layout** | A80) |
| **Value domain** | **[GS1 NPC Code List](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/packaging-material-type-code)**[**Appendix 16 – Packaging Material Type Code**](#_Proposed_Appendix_14) |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Pharmacode

|  |  |
| --- | --- |
| **Name** | Pharmacode |
| **Definition** | The unique identifier of a medicine down to the pack size and strength; that is used by both PHARMAC and Sector Services in their subsidy entitlement and payment process. |
| **Purpose** | To uniquely identify subsidised medicines in New Zealand – e.g., ACME Ointment 1%, 30gram pack has a Pharmacode = 2070139; and the ACME Ointment 1%, 100gram pack has a Pharmacode = 2088200.  |
| **Use case** | Used to identify subsidised pharmaceuticals in New Zealand. |
| **Source standards** | GS1: pharmacode (string, 9) |
| **Authoritative source** | Supplier, GS1 / Pharmacy Guild of NZ |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 9 | **Representational layout** | X(9) |
| **Value domain** | - |
| **Obligation** | Optional |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#_Appendix_1_–) |

#### Healthcare Component Type C1 (C1-C5)

|  |  |
| --- | --- |
| **Name** | Healthcare component Type C1 |
| **Definition** | Indicates if the product is a Device or a Medicine. |
| **Purpose** | To identify if the trade item is a medicine or a device. – e.g, the attribute value for the trade item ‘RDR Cold & Flu Tablets 24 Pack’ is populated as ‘M’, as this is a medicine. |
| **Use case** | Used to determine is the trade item is a device or a medicine. |
| **Source Standards** | GS1: healthcareComponentTypeC1 (string, 1) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic(A) | **Representational class** | Code |
| **Field Size** | 1 | **Representational layout** | A(1) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/healthcare-component-type-c1-c5)[**Appendix 17 – Healthcare Component Type C1 (C1-C5)**](#_Proposed_Appendix_17_1) |
| **Obligation** | Optional |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Medication Form Code C1D1

|  |  |
| --- | --- |
| **Name** | Medication Form Code C1D1 |
| **Definition** | The physical structure of the medicine. |
| **Purpose** | To identify the medicine physical structure that is orderable. – e.g., CAP (capsule), TAB (tablet), CREAM (cream), INJ (Injection), SOL (solution). |
| **Use case** | Used to notify the physical form of the medicine. |
| **Source Standards** | GS1: medicationFormCodeCxDy (string, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic(A) | **Representational class** | Code |
| **Field Size** | 14 | **Representational layout** | A(14) |
| **Value Domain** | **GS1 NPC Code List**[**Appendix 19 – Medication Form Code C1D1**](#_Proposed_Appendix_19) |
| **Obligation** | Conditional: this field must have a value if [**Healthcare Component Type**](#_3.3.19_Proposed_Section) C1 is (M)edicine. |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Medicine Container Type Code C1 (C1-C5)

|  |  |
| --- | --- |
| **Name** | Medicine Container Type Code C1 (C1-C5) |
| **Definition** | The type of packaging that immediately surrounds the product. Up to five (5) different container types are allowed per product. |
| **Purpose** | To identify the medicine type of container that is orderable. – e.g., BLPK (blister pack), BTTLE (bottle), AMPL (ampoule), VIAL (vial). |
| **Use case** | To notify the packaging type in which the medication can be ordered. |
| **Source Standards** | GS1: medicineContainerTypeCodeCx (string, 7) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphabetic (A) | **Representational class** | Code |
| **Field Size** | 7 | **Representational layout** | A(7) |
| **Value Domain** | [GS1 NPC Code List](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medicine-container-type-code-c1-%28c1-c5%29)[**Appendix 18 – Medicine Container Type Code C1**](#_Proposed_Appendix_18_1) |
| **Obligation** | Conditional: this field must have a value if **Healthcare Component Type Code** is “M” |
| **Guide for use** | To be entered when it is the base unit.[Appendix 1 – Common examples of packaging hierarchy](#appex1) |

#### Medicine/Device Unit Name C1D1

|  |  |
| --- | --- |
| **Name** | Medicine/Device Unit Name C1D1 |
| **Definition** | Used to distinguish medications or devices within a multi component or multi medications item; for medicines the active ingredient and the strength must be provided.  |
| **Purpose** | To recognise the medication including the Ingredient(s) and associated strength(s). – e.g., Paracetamol 500mg, Ibuprofen 200mg ; the contraceptive pill is a multi component item which has different medicines within the same blister pack. |
| **Use case** | The end user is able to distinguish the active ingredients and strengths of the medication.The outcome is that the active ingredients and strengths of the medicine/medication are displayed. |
| **Source Standards** | GS1: medicineDeviceUnitNameCxDy (string, 255) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 255 | **Representational layout** | X(255) |
| **Value Domain** | - |
| **Obligation** | Conditional: this field must have a value if **Healthcare Component Type C1D1** is D or M |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Unit of Use GTIN C1D1 (C1D1-C1D5)

|  |  |
| --- | --- |
| **Name** | Unit of Use GTIN C1D1 (C1D1-C1D5) |
| **Definition** | The GTIN of items included in a base or consumer unit intended for individual issue at point of use. Up to five (5) different unit of use are allowed per product.  |
| **Purpose** | To identify the medication unit of use. – e.g., A product contains a syringe and a bandage. The syringe contains a GTIN of 9312345678983, therefore the first component (syringe) will have a unit of use GTIN = 9312345678983. |
| **Use case** | Used to notify the GTIN of the Medication Unit of Use. |
| **Source Standards** | GS1: unitOfUseGTINC1D1 (integer, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Value |
| **Field Size** | 14 | **Representational layout** | N(14) |
| **Value Domain** | - |
| **Obligation** | Optional |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#_Appendix_1_–) |

#### MedSafe Regulatory Classification

|  |  |
| --- | --- |
| **Name** | Medsafe Regulatory Classification |
| **Definition** | For medicines used within NZ healthcare, the Medsafe regulatory classification code. Refer: http://www.medsafe.govt.nz/profs/class/classification.asp |
| **Purpose** | To identify the regulatory classification code and description of the medicine – e.g., Class B1 Controlled Drug. |
| **Use case** | The end user is able to identify the New Zealand Medsafe regulatory classification of a Medicine.The outcome is that the Medsafe Regulatory classification of a medicine displays. |
| **Source Standards** | GS1: additionalTradeItemClassificationSystemCode = 67 + additionalTradeItemClassificationCodeValue (string, 30) |
| **Authoritative source** | Supplier, GS1 / MedSafe |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 30 | **Representational layout** | X(30) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medsafe-regulatory-classification)[**Appendix 20 – Medsafe Regulatory Classification**](#_Proposed_Appendix_18) |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Referenced File Type Code

|  |  |
| --- | --- |
| **Name** | Referenced File Type Code |
| **Definition** | A code used to define the trade item digital asset file type that is specified in the Uniform Resource Identifier (URL) element. |
| **Purpose** | To identify the trade item media asset file type. – e.g., Referenced File Type Code = PRODUCT\_IMAGE; Referenced File Type = PRODUCT INFORMATION |
| **Use case** | Used in conjunction with,* Uniform Resource Identifier
* Is Primary File
* File Effective Start Date Time
* File Format Name
* File Name
* File Version

to provide the digital asset type. |
| **Source Standards** | GS1: referencedFileTypeCode (string, 80) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Code |
| **Field Size** | 80 | **Representational layout** | X(80) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/referenced-file-type-code)[**Appendix 21 – Referenced File type Code**](#_Proposed_Appendix_21) |
| **Obligation** | Optional |
| **Guide for use** | This field must be provided for all levels of packaging.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Uniform Resource Identifier

|  |  |
| --- | --- |
| **Name** | Uniform Resource Identifier |
| **Definition** | Free text field to communicate the URL that contains the trade item media asset physical information. Used in conjunction with a valid Referenced File Type Code. |
| **Purpose** | To identify the location of the trade item physical media asset file. – e.g., a GS1 site with a sample image: https://www.gs1.org/images/123456789.jpg |
| **Use case** | Used in conjunction with **Referenced File Type Code** to provide images/documents via a link to the digital asset about the product. |
| **Source Standards** | GS1: uniformResourceIdentifier (string, 2500) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 2500 | **Representational layout** | X(2500) |
| **Value Domain** | - |
| **Obligation** | Conditional: this field must have a value if **Referenced File Type Code** is populated. |
| **Guide for use** | Must be associated with a valid **Referenced File Type Code.**To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### Is primary File

|  |  |
| --- | --- |
| **Name** | Is primary File |
| **Definition** | The indicator that the media asset URL for the specified referenced file type links to the primary/main image file that should be used. |
| **Purpose** | To identify the main image for the trade item. – e.g.,  |
| **Use case** | Used in conjunction with **Referenced File Type Code** to notify that the digital asset is the main image to be used for the product; also that the thumbnail is derived from the main image. |
| **Source Standards** | GS1: isPrimaryFile (string, 14) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 14 | **Representational layout** | X(14) |
| **Value Domain** | [**GS1 NPC Code List**](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/is-primary-file) |
| **Obligation** | Conditional: this field must have a value if **Referenced File Type Code** is populated. |
| **Guide for use** | Must be associated with a valid Referenced File Type Code.To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### File Effective End Date Time

|  |  |
| --- | --- |
| **Name** | File Effective End Date Time |
| **Definition** | Date and time when the file contents become invalid or expired. Used to mark the end of life for the referenced file.  |
| **Purpose** | To identify when the trade item media asset becomes invalid. – e.g. a safety data sheet with an expiry date indicates that the document is no longer valid. |
| **Use case** | Used in conjunction with **Referenced File Type Code** to determine the digital asset expiry/availability end date. |
| **Source Standards** | GS1: fileEffectiveEndDateTime (string, 26) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Date |
| **Field Size** | 26 | **Representational layout** | X(26) |
| **Value Domain** | - |
| **Obligation** | Optional |
| **Guide for use** | Must be associated with a valid Referenced File Type Code.To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### File Effective Start Date Time

|  |  |
| --- | --- |
| **Name** | File Effective Start Date Time |
| **Definition** | Date and time when the file contents become valid or issued. Used to mark the date when the media asset (referenced file type) is processed or issued.  |
| **Purpose** | To identify when the trade item media asset becomes valid – e.g. a safety data sheet with an issue date. |
| **Use case** | Used in conjunction with **Referenced File Type Code** to determine the digital asset issue/available start date. |
| **Source Standards** | GS1: fileEffectiveStartDateTime (string, 26) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Date |
| **Field Size** | 26 | **Representational layout** | X(26) |
| **Value Domain** | - |
| **Obligation** | Conditional: this field must have a value if **Referenced File Type Code** is populated. |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### File Format Name

|  |  |
| --- | --- |
| **Name** | File Format Name |
| **Definition** | The name of the file format. |
| **Purpose** | To identify the format of the trade item media asset (referenced file type). – e.g., PNG, PDF, MP4. |
| **Use case** | Used in conjunction with **Referenced File Type Code** to provide the digital asset file format. |
| **Source Standards** | GS1: fileFormatName (string, 70) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 70 | **Representational layout** | X(70) |
| **Value Domain** | - |
| **Obligation** | Conditional: this field must have a value if **Referenced File Type Code** is populated. |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

#### File Name

|  |  |
| --- | --- |
| **Name** | File Name |
| **Definition** | The name of the file that contains the external information |
| **Purpose** | To name the trade item media asset file. – e.g., TBC |
| **Use case** | Used in conjunction with **Referenced File Type Code** to provide the digital asset file name. |
| **Source Standards** | GS1: fileName (string, 70) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field Size** | 70 | **Representational layout** | X(70) |
| **Value Domain** | - |
| **Obligation** | Conditional: this field must have a value if **Referenced File Type Code** is populated. |
| **Guide for use** | To be entered when it is the base unit.[**Appendix 1 – Common examples of packaging hierarchy**](#appex1) |

### Supplier data elements

This section describes the data elements used to identify suppliers.

#### Health System Catalogue Supplier Identifier

|  |  |
| --- | --- |
| **Name** | Health System Catalogue Supplier Identifier |
| **Definition** | An alphanumeric string which uniquely identifies a supplier – eg, 1234567890  |
| **Purpose** | Provides a unified unique supplier identifier for efficient integration of information within the health sector, within the business processes and between systems.It is necessary to assign this identifier because the preferred National or global identifiers (NZBN, ABN, GLN) are from multiple non-unified identification systems. |
| **Use case** | Used to uniquely identify suppliers. |
| **Source standards** |  - |
| **Authoritative source** | Internal system |
| **Data type** | Alphanumeric (X) | **Representational class** | Identifier |
| **Field size** | 10 | **Representational layout** | X(10) |
| **Value domain** | - |
| **Obligation** | Mandatory |
| **Guide for use** | - |

#### Supplier Legal Entity Name

|  |  |
| --- | --- |
| **Name** | Supplier Legal Entity Name |
| **Definition** | The name under which the supplier (either an individual or an organisation) has been officially registered as a legal entity with the relevant national authority. |
| **Purpose** | To allow users to search for a supplier by the legal name.  |
| **Use case** | Used to identify a supplier by the legal name. |
| **Source standards** | [**https://www.nzbn.govt.nz**](https://www.nzbn.govt.nz) |
| **Authoritative source** | If NZ registered company - NZBNIf Australian registered company - ABNIf registered in another country - Supplier |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 200 | **Representational layout** | X(200) |
| **Value domain** | The text is case sensitive and can include spaces, apostrophes and hyphens, as well as macrons and other diacritic characters. |
| **Obligation** | Mandatory |
| **Guide for use** | All suppliers must be an individual or an entity, and by definition this precludes the use of any supplier names like ‘Sundry’ or ‘Misc Supplier’. |

#### Supplier Trading Name

|  |  |
| --- | --- |
| **Name** | Supplier Trading Name |
| **Definition** | A descriptor field for the supplier's trading name if it differs from the supplier's legal name.  |
| **Purpose** | To allow for easier identification of supplier by the trading name where differs from legal name. |
| **Use case** | Used to identify a supplier by the trading name. |
| **Source standards** | [**https://www.nzbn.govt.nz**](https://www.nzbn.govt.nz) |
| **Authoritative source** | NZBN, Supplier |
| **Data type** | Alphanumeric (X)  | **Representational class** | Text |
| **Field size** | 320 | **Representational layout** | X(320) |
| **Value domain** | The text is case sensitive and can include spaces, apostrophes and hyphens, as well as macrons and other diacritic characters |
| **Obligation** | Optional |
| **Guide for use** | - |

#### GST Number

|  |  |
| --- | --- |
| **Name** | GST Number |
| **Definition** | The New Zealand Goods and Services Tax number issued to the supplier by the Inland Revenue Department – eg, 012-345-678. |
| **Purpose** | Alternative search key for suppliers particularly for payable transactions to help reduce matching errors – eg, searching by the GST Number as appears on the supplier's invoice. |
| **Use case** | Used to identify a supplier using the GST number. |
| **Source standards** | [**https://www.nzbn.govt.nz**](https://www.nzbn.govt.nz) |
| **Authoritative source** | Supplier |
| **Data type** | Alphanumeric (X) | **Representational class** | Identifier  |
| **Field size** | 11 | **Representational layout** | X(11) |
| **Value domain** |  - |
| **Obligation** | Mandatory when the supplier entity is a New Zealand registered business. |
| **Guide for use** | The GST Number should be populated as a control mechanism to ensure only valid suppliers are set up. |

#### NZ Business Number (NZBN)

|  |  |
| --- | --- |
| **Name** | NZ Business Number (NZBN) |
| **Definition** | The New Zealand Business Number issued to the supplier by the relevant national authority. |
| **Purpose** | Alternative search key for suppliers particularly for payable transactions. |
| **Use case** | Used to identify a New Zealand registered supplier. |
| **Source standards** | [**https://www.nzbn.govt.nz**](https://www.nzbn.govt.nz) |
| **Authoritative source** | Supplier, NZBN |
| **Data type** | Numeric (N) | **Representational class** | Identifier  |
| **Field size** | 13 | **Representational layout** | N(13) |
| **Value domain** |  - |
| **Obligation** | Mandatory when the supplier entity is a New Zealand registered business. |
| **Guide for use** | Not required if it is not a New Zealand business or if the supplier does not have an NZBN number. |

#### Australian Business Number (ABN)

|  |  |
| --- | --- |
| **Name** | Australian Business Number (ABN) |
| **Definition** | The Australian Business Number issued to the supplier by the relevant national authority  |
| **Purpose** | Alternative search key for suppliers particularly for payable transactions |
| **Use case** | Used to identify an Australian registered supplier |
| **Source standards** | **https://register.business.gov.au/registration/type** |
| **Authoritative source** | Supplier |
| **Data type** | Numeric (N)  | **Representational class** | Identifier  |
| **Field size** | 13 | **Representational layout** | N(13) |
| **Value domain** |  - |
| **Obligation** | Mandatory when the supplier entity is an Australian registered business. |
| **Guide for use** | - |

#### Information provider GLN

|  |  |
| --- | --- |
| **Name** | Information provider GLN |
| **Definition** | Unique Global Location Number (GLN) allocated by a GS1 member organisation which identifies the information owner.  |
| **Purpose** | To link to GS1 data which contains organisation details of the supplier.  |
| **Use case** | Used to identify the organisation that provides / publishes the data. |
| **Source standards** | GS1: informationProviderOfTradeItem -> gln (numeric, 13) |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric (N) | **Representational class** | Identifier |
| **Field size** | 13 | **Representational layout** | N(13) |
| **Value domain** |  - |
| **Obligation** | Optional |
| **Guide for use** | The information owner is generally the manufacturer or a distributor. The information owner has the responsibility to provide and maintain the data in the catalogue. |

#### Other business identifier

|  |  |
| --- | --- |
| **Name** | Other business identifier |
| **Definition** | A unique identifier under which a Supplier has been registered with an authority other than GLN, NZBN or ABN. |
| **Purpose** | Alternative search key for suppliers who do not have an GLN, NZBN or ABN number – e.g., an International Supplier identifier |
| **Use case** | Used to identify suppliers that are not registered with GS1, NZBN or ABN |
| **Source standards** | ISO approved registration authorities |
| **Authoritative source** | Supplier |
| **Data type** | Alphanumeric (X)  | **Representational class** | Identifier |
| **Field size** | 50 | **Representational layout** | X(50) |
| **Value domain** |  - |
| **Obligation** | Optional |
| **Guide for use** | - |

#### Other business identifier type

|  |  |
| --- | --- |
| **Name** | Other business identifier type |
| **Definition** | The identification system which the value in the ‘Other business identifier’ field belongs to.  |
| **Purpose** | Qualifies the ‘Other business identifier’ field, enabling it to be used as an alternative identifier. |
| **Use case** | The end user should be able to identify what the business number relates to in the ‘Other business identifier’ fieldThe system should store the text in full.Outcome is that the user can easily identify what country the ‘Other Business Identifier’ comes from. |
| **Source standards** |  - |
| **Authoritative source** | - |
| **Data type** | Alphanumeric (X) | **Representational class** | Text |
| **Field size** | 50 | **Representational layout** | (X)50 |
| **Value domain** |  - |
| **Obligation** | Conditional when ‘Other business identifier’ is populated. |
| **Guide for use** | The standard for this field is ‘Country of origin’, ‘name of the agency that issued the ID’.  |

#### United Nations Standard Products and Services Code (UNSPSC)

|  |  |
| --- | --- |
| **Name** | United Nations Standard Products and Services Code (UNSPSC) |
| **Definition** | The United Nations Standard Products and Services Code (UNSPSC) is a hierarchical system that is used to classify all products and services. |
| **Purpose** | Used to associate suppliers with market segments, for procurement analysis. |
| **Use case** | The end user is able to review spend analysis by the different levels of the UNSPSC hierarchy.The system uses the UNSPSC hierarchy to group together spend amount/transactions to produce the required reporting.Outcome is that spend analysis can be easier to interpret based on groups of items rather than the individual items – eg, spend on sutures.  |
| **Source standards** | UNSPSC, Level 1: Segment |
| **Authoritative source** | Supplier, GS1 |
| **Data type** | Numeric | **Representational class** | Identifier |
| **Field size** | 8 | **Representational layout** | N(8) |
| **Value domain** | - |
| **Obligation** | Mandatory |
| **Guide for use** | This is the market segment in which the supplier provides products or services within New Zealand. |

## Adoption roadmap

Health NZ is responsible for leading the public health sector adoption of the standards specified here for the Health System Catalogue.

The adoption roadmap for these standards has these steps:

1. Publish two HISO standards for the Health System Catalogue *(Achieved*)
 HISO 10084.1:2021 Suppliers and Item Data Standard
 HISO 10084.2:2021 Contracts, Schedules and Pricing Data Standard
2. Secure agreement across the sector on the minimum mandatory data attribute set *(Achieved)*
3. Ensure there is continual enhancements of the standards, based on lessons learned and the requirements of future related programmes.
4. Secure agreement on a suitable review cycle cadence where there will be opportunity to add, remove, adjust the published data standards in addition to securing agreement to revisit the minimum set of mandatory data attributes.

The approved data standards will be utilised within the Health System Catalogue, as the catalogue matures and the health system reforms are embedded.

## Appendices

### Appendix 1 – Common examples of packaging hierarchy

| **Scenario** | **Base unit for this product is a single patient use 1EA Balloon Catheter** |  | **Base unit for this product is a box of 100 single gloves** |  | **Base unit for this product is the single patient use of a syringe of 3mLs of Saline 1EA** |
| --- | --- | --- | --- | --- | --- |
| **GTIN** | 07640132622058 |   | 09340232006342 | 09340236465602 |   | 00382903065738 | 30382903065739 | 50382903065733 |
| **Item Description** | Acrostak Across HP Coronary Balloon Catheter 2.0 x 10MM |   | Promed Medical Exam Gloves Vinyl P/Free N/S Medium 100Pc | Promed Medical Exam Gloves Vinyl P/Free N/S Medium 1000Pc |   | Bd Posiflush Pre-Filled Saline Syringe 3 Millilitre | Bd Posiflush Pre-Filled Saline Syringe 3 Millilitre X 30 | Bd Posiflush Pre-Filled Saline Syringe 3 Millilitre X 480 |
| **Net Content UOM** | EA |   | PIECE |   |   | MLT |   |   |
| **Net Content** | 1 |   | 100 |   |   | 3 |   |   |
| **Number of base units** |   |   |   | 10 |   |   | 30 | 480 |
| **Trade Item Unit Descriptor** | BASE\_UNIT\_OR\_EACH |   | BASE\_UNIT\_OR\_EACH | CASE |   | BASE\_UNIT\_OR\_EACH | PACK\_OR\_INNER\_PACK | CASE |
| **Is Trade Item base unit** | true |   | true | false |   | true | false | false |
| **Manufacturer Name** | Acrostak |   | THERMOFISHER SCIENTIFIC AUSTRALIA PTY LTD | THERMOFISHER SCIENTIFIC AUSTRALIA PTY LTD |   | BD | BD | BD |
| **Manufacturer Part Number** | 200100350 |   | PMD1301 | PMD1301 |   | 306573 | 306573 | 306573 |
| **Functional Name** | Coronary Balloon Catheter |   | Medical exam gloves | Medical exam gloves |   | PRE-FILLED SALINE SYRINGE | PRE-FILLED SALINE SYRINGE | PRE-FILLED SALINE SYRINGE |
| **Variant** | 2.0 x 10MM |   | vinyl p/free n/s medium | vinyl p/free n/s medium |   | 3 Millilitre | 3 Millilitre | 3 Millilitre |
| **Sub-Brand** | Across HP |   |   |   |   | POSIFLUSH | POSIFLUSH | POSIFLUSH |
| **Brand Name** | Acrostak |   | Promed | Promed |   | BD | BD | BD |
| **Is Trade Item A Consumer Unit?** | true |   | true | true |   | true | false | false |
| **Is Item a despatch unit** | true |   | true | true |   | false | false | true |
| **Is Item an invoice unit** | true |   | true | true |   | false | true | false |
| **Is Item an orderable unit** | true |   | true | true |   | false | false | true |
| **GTIN of Base Unit** |   |   |   | 09340232006342 |   |   | 00382903065738 | 00382903065738 |

### Appendix 2 – Net Content Unit of Measure

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/net-content-uom>

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Description | Code | Description |
| 58 | Net kilogram | HC | Hundred count |
| 1N | Count | HD | Half dozen |
| 2Q | Kilobecquerel | HEP | Histamine Equivalent Prick |
| 4G | Microlitre | HGM | Hectogram |
| AS | Assortment | HLT | Hectolitre |
| AXU | Anti XA Unit | INH | Inch |
| BAR | Bar (unit of pressure) | INK | Square inch |
| BB | Base box | INQ | Cubic inch |
| BFT | Board foot | K6 | Kilolitre |
| BLL | Barrel (US) | KGM | Kilogram |
| BP | Hundred board foot | KIU | Kallikrein Inactivator Unit |
| BUA | Bushel (US) | KMT | Kilometre |
| BUI | Bushel (UK) | KT | Kit |
| C34 | Mole | LBR | Pound |
| CEL | Degree Celsius | LF | Linear foot |
| CG | Card | LK | Link |
| CGM | Centigram | LM | Linear metre |
| CLT | Centilitre | LR | Layer |
| CMK | Square centimetre | LTN | Ton (UK) |
| CMQ | Cubic centimetre | LTR | Litre |
| CMT | Centimetre | MC | Microgram |
| CWA | Hundred weight (US) | MGM | Milligram |
| CWI | Hundred weight (UK) | MIK | Square mile |
| D43 | Atomic Mass Units (AMU) | MIN | Minute |
| D63 | Book | MIU | Million International Unit (NIE) |
| DAY | Days | MLT | Millilitre |
| DG | Decigram | MMK | Square millimetre |
| DLT | Decilitre | MMQ | Cubic Millimetre |
| DMK | Square decimetre | MMT | Millimetre |
| DMQ | Cubic decimetre | MTK | Square metre |
| DMT | Decimetre | MTQ | Cubic metre |
| DZN | Dozen | MTR | Metre |
| E27 | Dose | ONZ | Ounce |
| E4 | Gross kilogram | OZA | Fluid ounce (US) |
| E55 | Use | OZI | Fluid ounce (UK) |
| EA | Each | P1 | Percent |
| ELU | ELISA units | PR | Pair |
| FAH | Degree Fahrenheit | PTD | Dry pint (US) |
| FH | Micromole | PTI | Pint (UK) |
| FJ | Sizing factor | PTL | Liquid pint (US) |
| FOT | Foot | PTN | Portion |
| FTK | Square foot | QTD | Quart (US dry) |
| FTQ | Cubic foot | QTL | Liquid quart (US) |
| G21 | Cup (US) | SET | Set |
| G23 | Peck | SMI | Mile (statute mile) |
| G24 | Tablespoon | SQE | SQ-E |
| G25 | Teaspoon | STN | Ton (US) |
| GLI | Gallon (UK) | SX | Shipment |
| GLL | Gallon (US) | TNE | Tonne |
| GRM | Gram | XST | Sheet |
| GRN | Grain | YDK | Square yard |
| H87 | Piece | YRD | Yard |

### Appendix 3 – Trade item unit descriptor code (base, inner, case)

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/trade-item-unit-descriptor-code>

|  |  |
| --- | --- |
| Code | Description |
| BASE\_UNIT\_OR\_EACH | The lowest level of the item hierarchy intended or labelled for individual retail sale. |
| CASE | The standard shipping unit level |
| DISPLAY\_SHIPPER | A display, a shipper. May have a ‘PL’ parent. May have (CA or EA) children in multiple instances. It may be Orderable and can be a Consumer Unit. |
| PACK\_OR\_INNER\_PACK | A logistical unit between case and each. This may be a consumable innerpack (eg, carton of syringes) or it may be simply a logistical pack (eg, dozens of syringes) |
| PALLET | A pallet is a flat transport structure designed to support a variety of goods in a stable fashion while being lifted by any mobile forklift or other jacking device. |
| TRANSPORT\_LOAD | The Trade Item above the pallet level used for transporting Trade Items for example Truck Load, Container, Rail Car, Ship etc. |

### Appendix 4 – Trade Item country of origin

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/trade-item-country-of-origin>

The list of values outlined below is verbatim from the value domain, not all values may be suitable for the Health System Catalogue.

Country codes can also be viewed on the [**ISO online browsing platform**](https://www.iso.org/obp/ui/#home).

|  |  |  |  |
| --- | --- | --- | --- |
| Country  | Alpha-2 code | Alpha-3 code | Numeric code |
| Afghanistan  | AF | AFG | 004 |
| Albania  | AL | ALB | 008 |
| Antarctica  | AQ | ATA | 010 |
| Algeria  | DZ | DZA | 012 |
| American Samoa  | AS | ASM | 016 |
| Andorra  | AD | AND | 020 |
| Angola  | AO | AGO | 024 |
| Antigua and Barbuda  | AG | ATG | 028 |
| Azerbaijan  | AZ | AZE | 031 |
| Argentina  | AR | ARG | 032 |
| Australia  | AU | AUS | 036 |
| Austria  | AT | AUT | 040 |
| Bahamas (the)  | BS | BHS | 044 |
| Bahrain  | BH | BHR | 048 |
| Bangladesh  | BD | BGD | 050 |
| Armenia  | AM | ARM | 051 |
| Barbados  | BB | BRB | 052 |
| Belgium  | BE | BEL | 056 |
| Bermuda  | BM | BMU | 060 |
| Bhutan  | BT | BTN | 064 |
| Bolivia (Plurinational State of)  | BO | BOL | 068 |
| Bosnia and Herzegovina  | BA | BIH | 070 |
| Botswana  | BW | BWA | 072 |
| Bouvet Island  | BV | BVT | 074 |
| Brazil  | BR | BRA | 076 |
| Belize  | BZ | BLZ | 084 |
| British Indian Ocean Territory (the)  | IO | IOT | 086 |
| Solomon Islands  | SB | SLB | 090 |
| Virgin Islands (British)  | VG | VGB | 092 |
| Brunei Darussalam  | BN | BRN | 096 |
| Bulgaria  | BG | BGR | 100 |
| Myanmar  | MM | MMR | 104 |
| Burundi  | BI | BDI | 108 |
| Belarus  | BY | BLR | 112 |
| Cambodia  | KH | KHM | 116 |
| Cameroon  | CM | CMR | 120 |
| Canada  | CA | CAN | 124 |
| Cabo Verde  | CV | CPV | 132 |
| Cayman Islands (the)  | KY | CYM | 136 |
| Central African Republic (the)  | CF | CAF | 140 |
| Sri Lanka  | LK | LKA | 144 |
| Chad  | TD | TCD | 148 |
| Chile  | CL | CHL | 152 |
| China  | CN | CHN | 156 |
| Taiwan (Province of China)  | TW | TWN | 158 |
| Christmas Island  | CX | CXR | 162 |
| Cocos (Keeling) Islands (the)  | CC | CCK | 166 |
| Colombia  | CO | COL | 170 |
| Comoros (the)  | KM | COM | 174 |
| Mayotte  | YT | MYT | 175 |
| Congo (the)  | CG | COG | 178 |
| Congo (the Democratic Republic of the)  | CD | COD | 180 |
| Cook Islands (the)  | CK | COK | 184 |
| Costa Rica  | CR | CRI | 188 |
| Croatia  | HR | HRV | 191 |
| Cuba  | CU | CUB | 192 |
| Cyprus  | CY | CYP | 196 |
| Czechia  | CZ | CZE | 203 |
| Benin  | BJ | BEN | 204 |
| Denmark  | DK | DNK | 208 |
| Dominica  | DM | DMA | 212 |
| Dominican Republic (the)  | DO | DOM | 214 |
| Ecuador  | EC | ECU | 218 |
| El Salvador  | SV | SLV | 222 |
| Equatorial Guinea  | GQ | GNQ | 226 |
| Ethiopia  | ET | ETH | 231 |
| Eritrea  | ER | ERI | 232 |
| Estonia  | EE | EST | 233 |
| Faroe Islands (the)  | FO | FRO | 234 |
| Falkland Islands (the) [Malvinas]  | FK | FLK | 238 |
| South Georgia and the South Sandwich Islands  | GS | SGS | 239 |
| Fiji  | FJ | FJI | 242 |
| Finland  | FI | FIN | 246 |
| Åland Islands  | AX | ALA | 248 |
| France  | FR | FRA | 250 |
| French Guiana  | GF | GUF | 254 |
| French Polynesia  | PF | PYF | 258 |
| French Southern Territories (the)  | TF | ATF | 260 |
| Djibouti  | DJ | DJI | 262 |
| Gabon  | GA | GAB | 266 |
| Georgia  | GE | GEO | 268 |
| Gambia (the)  | GM | GMB | 270 |
| Palestine, State of  | PS | PSE | 275 |
| Germany  | DE | DEU | 276 |
| Ghana  | GH | GHA | 288 |
| Gibraltar  | GI | GIB | 292 |
| Kiribati  | KI | KIR | 296 |
| Greece  | GR | GRC | 300 |
| Greenland  | GL | GRL | 304 |
| Grenada  | GD | GRD | 308 |
| Guadeloupe  | GP | GLP | 312 |
| Guam  | GU | GUM | 316 |
| Guatemala  | GT | GTM | 320 |
| Guinea  | GN | GIN | 324 |
| Guyana  | GY | GUY | 328 |
| Haiti  | HT | HTI | 332 |
| Heard Island and McDonald Islands  | HM | HMD | 334 |
| Holy See (the)  | VA | VAT | 336 |
| Honduras  | HN | HND | 340 |
| Hong Kong  | HK | HKG | 344 |
| Hungary  | HU | HUN | 348 |
| Iceland  | IS | ISL | 352 |
| India  | IN | IND | 356 |
| Indonesia  | ID | IDN | 360 |
| Iran (Islamic Republic of)  | IR | IRN | 364 |
| Iraq  | IQ | IRQ | 368 |
| Ireland  | IE | IRL | 372 |
| Israel  | IL | ISR | 376 |
| Italy  | IT | ITA | 380 |
| Côte d'Ivoire  | CI | CIV | 384 |
| Jamaica  | JM | JAM | 388 |
| Japan  | JP | JPN | 392 |
| Kazakhstan  | KZ | KAZ | 398 |
| Jordan  | JO | JOR | 400 |
| Kenya  | KE | KEN | 404 |
| Korea (the Democratic People's Republic of)  | KP | PRK | 408 |
| Korea (the Republic of)  | KR | KOR | 410 |
| Kuwait  | KW | KWT | 414 |
| Kyrgyzstan  | KG | KGZ | 417 |
| Lao People's Democratic Republic (the)  | LA | LAO | 418 |
| Lebanon  | LB | LBN | 422 |
| Lesotho  | LS | LSO | 426 |
| Latvia  | LV | LVA | 428 |
| Liberia  | LR | LBR | 430 |
| Libya  | LY | LBY | 434 |
| Liechtenstein  | LI | LIE | 438 |
| Lithuania  | LT | LTU | 440 |
| Luxembourg  | LU | LUX | 442 |
| Macao  | MO | MAC | 446 |
| Madagascar  | MG | MDG | 450 |
| Malawi  | MW | MWI | 454 |
| Malaysia  | MY | MYS | 458 |
| Maldives  | MV | MDV | 462 |
| Mali  | ML | MLI | 466 |
| Malta  | MT | MLT | 470 |
| Martinique  | MQ | MTQ | 474 |
| Mauritania  | MR | MRT | 478 |
| Mauritius  | MU | MUS | 480 |
| Mexico  | MX | MEX | 484 |
| Monaco  | MC | MCO | 492 |
| Mongolia  | MN | MNG | 496 |
| Moldova (the Republic of)  | MD | MDA | 498 |
| Montenegro  | ME | MNE | 499 |
| Montserrat  | MS | MSR | 500 |
| Morocco  | MA | MAR | 504 |
| Mozambique  | MZ | MOZ | 508 |
| Oman  | OM | OMN | 512 |
| Namibia  | NA | NAM | 516 |
| Nauru  | NR | NRU | 520 |
| Nepal  | NP | NPL | 524 |
| Netherlands (the)  | NL | NLD | 528 |
| Curaçao  | CW | CUW | 531 |
| Aruba  | AW | ABW | 533 |
| Sint Maarten (Dutch part)  | SX | SXM | 534 |
| Bonaire, Sint Eustatius and Saba  | BQ | BES | 535 |
| New Caledonia  | NC | NCL | 540 |
| Vanuatu  | VU | VUT | 548 |
| New Zealand  | NZ | NZL | 554 |
| Nicaragua  | NI | NIC | 558 |
| Niger (the)  | NE | NER | 562 |
| Nigeria  | NG | NGA | 566 |
| Niue  | NU | NIU | 570 |
| Norfolk Island  | NF | NFK | 574 |
| Norway  | NO | NOR | 578 |
| Northern Mariana Islands (the)  | MP | MNP | 580 |
| United States Minor Outlying Islands (the)  | UM | UMI | 581 |
| Micronesia (Federated States of)  | FM | FSM | 583 |
| Marshall Islands (the)  | MH | MHL | 584 |
| Palau  | PW | PLW | 585 |
| Pakistan  | PK | PAK | 586 |
| Panama  | PA | PAN | 591 |
| Papua New Guinea  | PG | PNG | 598 |
| Paraguay  | PY | PRY | 600 |
| Peru  | PE | PER | 604 |
| Philippines (the)  | PH | PHL | 608 |
| Pitcairn  | PN | PCN | 612 |
| Poland  | PL | POL | 616 |
| Portugal  | PT | PRT | 620 |
| Guinea-Bissau  | GW | GNB | 624 |
| Timor-Leste  | TL | TLS | 626 |
| Puerto Rico  | PR | PRI | 630 |
| Qatar  | QA | QAT | 634 |
| Réunion  | RE | REU | 638 |
| Romania  | RO | ROU | 642 |
| Russian Federation (the)  | RU | RUS | 643 |
| Rwanda  | RW | RWA | 646 |
| Saint Barthélemy  | BL | BLM | 652 |
| Saint Helena, Ascension and Tristan da Cunha  | SH | SHN | 654 |
| Saint Kitts and Nevis  | KN | KNA | 659 |
| Anguilla  | AI | AIA | 660 |
| Saint Lucia  | LC | LCA | 662 |
| Saint Martin (French part)  | MF | MAF | 663 |
| Saint Pierre and Miquelon  | PM | SPM | 666 |
| Saint Vincent and the Grenadines  | VC | VCT | 670 |
| San Marino  | SM | SMR | 674 |
| Sao Tome and Principe  | ST | STP | 678 |
| Saudi Arabia  | SA | SAU | 682 |
| Senegal  | SN | SEN | 686 |
| Serbia  | RS | SRB | 688 |
| Seychelles  | SC | SYC | 690 |
| Sierra Leone  | SL | SLE | 694 |
| Singapore  | SG | SGP | 702 |
| Slovakia  | SK | SVK | 703 |
| Viet Nam  | VN | VNM | 704 |
| Slovenia  | SI | SVN | 705 |
| Somalia  | SO | SOM | 706 |
| South Africa  | ZA | ZAF | 710 |
| Zimbabwe  | ZW | ZWE | 716 |
| Spain  | ES | ESP | 724 |
| South Sudan  | SS | SSD | 728 |
| Sudan (the)  | SD | SDN | 729 |
| Western Sahara\*  | EH | ESH | 732 |
| Suriname  | SR | SUR | 740 |
| Svalbard and Jan Mayen  | SJ | SJM | 744 |
| Eswatini  | SZ | SWZ | 748 |
| Sweden  | SE | SWE | 752 |
| Switzerland  | CH | CHE | 756 |
| Syrian Arab Republic (the)  | SY | SYR | 760 |
| Tajikistan  | TJ | TJK | 762 |
| Thailand  | TH | THA | 764 |
| Togo  | TG | TGO | 768 |
| Tokelau  | TK | TKL | 772 |
| Tonga  | TO | TON | 776 |
| Trinidad and Tobago  | TT | TTO | 780 |
| United Arab Emirates (the)  | AE | ARE | 784 |
| Tunisia  | TN | TUN | 788 |
| Turkey  | TR | TUR | 792 |
| Turkmenistan  | TM | TKM | 795 |
| Turks and Caicos Islands (the)  | TC | TCA | 796 |
| Tuvalu  | TV | TUV | 798 |
| Uganda  | UG | UGA | 800 |
| Ukraine  | UA | UKR | 804 |
| North Macedonia  | MK | MKD | 807 |
| Egypt  | EG | EGY | 818 |
| United Kingdom of Great Britain and Northern Ireland (the)  | GB | GBR | 826 |
| Guernsey  | GG | GGY | 831 |
| Jersey  | JE | JEY | 832 |
| Isle of Man  | IM | IMN | 833 |
| Tanzania, the United Republic of  | TZ | TZA | 834 |
| United States of America (the)  | US | USA | 840 |
| Virgin Islands (U.S.)  | VI | VIR | 850 |
| Burkina Faso  | BF | BFA | 854 |
| Uruguay  | UY | URY | 858 |
| Uzbekistan  | UZ | UZB | 860 |
| Venezuela (Bolivarian Republic of)  | VE | VEN | 862 |
| Wallis and Futuna  | WF | WLF | 876 |
| Samoa  | WS | WSM | 882 |
| Yemen  | YE | YEM | 887 |
| Zambia  | ZM | ZMB | 894 |

### Appendix 5 – Handling instructions code

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/dangerous-goods-regulation-code>

|  |  |
| --- | --- |
| Code | Description |
| ADG | Australian Dangerous Goods code |
| ADR | European agreement on the international carriage of dangerous goods on road. ADR is the abbreviation of ‘Accord europeen relatif au transport international des marchandises dangereuses par route’. |
| HSN | Hazardous Substances and New Organisms Act 1996 New Zealand group standard. |
| ZZZ | Additional and/or other information for the transportation of dangerous goods which are mutually defined. |

### Appendix 6 – Handling instructions code

The list of values outlined below is verbatim from the value domain, not all values may be suitable for the Health System Catalogue.

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/handling-instructions-code>

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Description | Code | Description |
| 1 | Heat Sensitive | MP | Potential marine pollutant |
| 12 | Refrigeration not required | MRF | Refrigerated |
| AVI | Live Animal | NES | Nestable |
| BAT | Batch Number | NSD | Nesting depth |
| BIG | Outsized | NSH | Nesting height |
| CCC | Keep the container carefully closed  | NSW | Nesting width |
| CLP | Use clamp lift  | NWP | Newspapers, magazines |
| CRU | Crushable | ODO\_A | Absorbs odour |
| CYT | Cytotoxic do not touch, swallow or breathe | ODO\_E | Emits odour |
| DAE | Dangerous goods article  | ODO\_N | Odour neutral |
| DCE | Delivery via distribution centre | OHG | Overhang item |
| DDE | Direct delivery | OPR | Perishable |
| DEA | Do not store in air | OSB | Stow below deck |
| DES | Destroy according to instructions | OTC | Temperature control |
| DNC | Do not close with cork | PCB | Put the cap back on carefully after use |
| DND | Do not drill or burn even after use | PFH | Protect from heat |
| DNE | Do not re-sterilize | PFS | Prepare for shipment |
| DNF | Do not freeze | PG | Poisonous gas |
| DNO | Do not fold | PHR | Per hour rate applies |
| DNR | Do not refreeze | PI | Poisonous by inhalation |
| DNS | Do not shake | PIC | Pick |
| DNU | Do not use if the solution is cloudy | PKS | Pick in sequence |
| DSS | Do not store with the sachet open | PRS | The solution must be prepared immediately before use |
| EAT | Foodstuffs | PSC | Pest controlling |
| EL | Environmental control limits | RCY | Recyclable packaging |
| ENANO | Packaging material contains engineered nano particles | RES | Reserve |
| ETH\_A | Absorbs ethylene | RFG | Flammable compressed gas |
| ETH\_E | Emits ethylene | RFL | Flammable liquid |
| ETH\_N | Ethylene neutral | RFS | Flammable solid |
| ETH\_P | Produces ethylene | RPB | Poison  |
| ETH\_S | Ethylene sensitive | SAC | Store away from cold |
| FAC | Factory package | SAN | Sandwich pallet allowed |
| FCC | Freezing under certain conditions | SCB | Ships to consumer in bag |
| FL | Flammable | SD | Store in dry environment |
| FRL | Unloading equipment - forklift | SER | Serial number |
| FRO | Frozen product | SGU | Storage general use |
| FTD | Frost danger | SHP | Trade item shippable package |
| HAZ\_D | Hazardous during disposal | SID | Store in the daylight |
| HAZ\_H | Hazardous during handling | SLT | Sensitive to light |
| HAZ\_S | Hazardous during storage | SNM | Transmit a ship notice/manifest transaction set |
| HAZ\_T | Hazardous during transport | SOP | Store in original packaging |
| HEA | Heavy cargo 150 kg and over per piece | SRT | Store at room temperature |
| HGA | Hanging garment | SSN | Smell sensitive |
| HM | Endorsed as hazardous material | STK | Stackable |
| HWC | Handle with care | STR | Stacking restricted |
| IC | Ice | SW | Stretch wrap |
| IU | For immediate use | TRD | Transit or cross docking delivery |
| KFC | Place the flask in its original case after use | UI | Unitised |
| LAB | Label | UIS | Use only after mixing with an isotonic solution |
| LBL | Apply a UCC / EAN serial shipping container label to the shipping containers  | UNP | Unpack |
| LIQ | Trade Item contains liquid | UPR | Upright/standing  |
| LYG | Lying | UST | Unstackable |
| MF | Multiple facings | VAL | Valuable cargo |
| MOV | Move according to instructions  | WNA | Weapons not allowed |
|  |  | X1 | Stacked |

### Appendix 7 – Class of dangerous goods

The latest code list can be found from the following hyperlink,

<https://www.nzta.govt.nz/assets/resources/factsheets/69/docs/69-dangerous-goods.pdf>

|  |  |
| --- | --- |
| Code | Description |
| 1 | EXPLOSIVES (except UN 0012, CARTRIDGES, SMALL ARMS) |
| 1.4 | EXPLOSIVE CLASS (UN 0012, CARTRIDGES, SMALL ARMS) |
| 2.1 | FLAMMABLE GAS |
| 2.2 | NON FLAMMABLE GAS |
| 2.3 | TOXIC GAS |
| 3.0 | FLAMMABLE LIQUID |
| 4.1 | FLAMMABLE SOLID |
| 4.2 | SPONTANEOUSLY COMBUSTIBLE |
| 4.3 | DANGEROUS WHEN WET |
| 5.1 | OXIDIZING SUBSTANCES |
| 5.2 | ORGANIC PEROXIDE |
| 6.1 | TOXIC SUBSTANCES |
| 6.2 | INFECTIOUS SUBSTANCES |
| 7.0 | RADIOACTIVE MATERIAL |
| 8.0 | CORROSIVE SUBSTANCES |
| 9.0 | MISCELLANEOUS DANGEROUS GOODS |

### Appendix 8 - Is Trade Item a HSC Service

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/is-trade-item-a-service>.

|  |  |
| --- | --- |
| Code Value | Description |
| TRUE | Yes |
| FALSE | No |

### Appendix 9 – Is Trade Item Nonphysical

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/is-trade-item-nonphysical>

|  |  |
| --- | --- |
| Code Value | Description |
| TRUE | Yes |
| FALSE | No |

### Appendix 10 - GTIN Referenced Trade Item Type Code

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/gtin-referenced-trade-item-type-code>

|  |  |
| --- | --- |
| Code Value | Description |
| DEPENDENT\_PROPRIETARY | Dependent trade items are Trade Items which may be required or which may be used in conjunction with the current trade item to make the current trade item functional |
| EQUIVALENT | A product which can be substituted for the trade item based on supplier defined functional equivalence to the trade item |
| PRIMARY\_ALTERNATIVE | A Trade Item that is similar to the current Trade Item but is not exact match. Same form fit function, e.g. same product different colour, different package size, better quality. |
| REPLACED | Indicates the trade item identification of an item that is being permanently replaced by this trade item. |
| REPLACED\_BY | The trade item which permanently replaces the current trade item. This Trade Item is sent in the record for the original item that is being replaced. |
| SUBSTITUTED | The original trade item that is temporarily being replaced. This attribute is used with the replacement trade item. |
| SUBSTITUTED\_BY | The trade item that is temporarily replacing the original GTIN. This attribute is used on the original trade item. |

### Appendix 11 - Medsafe Risk Classification

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medsafe-risk-classification>

|  |  |  |
| --- | --- | --- |
| Code Value | Code Name | Code Description |
| AIMD | High | Implantable pacemaker |
| Class III | High | Drug eluting cardiac stents |
| Class IIB | Medium-High | Ventilators, orthopedic implants |
| Class IIA | Medium-Low | Hypodermic needles, suction equipment |
| Class I sterile | Low | Sterile dressings, non-medicated |
| Class I measuring | Low | Volumetric urine bag |
| Class I basic | Low | Reusable surgical instruments |
| IVD | NA | NA |

### Appendix 12 - Product Height, Width, Depth UOM

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/product-depth-uom>

|  |  |
| --- | --- |
| Code Value | Description |
| MMT | Millimetre |
| CMT | Centimeter |
| MTR | Meter |
| DMT | Decimitre |

### Appendix 13 - Product Weight UOM

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/product-gross-weight-uom>

|  |  |
| --- | --- |
| Code Value | Description |
| KGM | Kilogram |
| GRM | Grams |

### Appendix 14 - Does Trade Item Contain Latex

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/does-trade-item-contain-latex>

|  |  |
| --- | --- |
| Code Value | Description |
| FALSE | No |
| NOT\_APPLICABLE | Not applicable |
| TRUE | Yes |
| UNSPECIFIED | Value not stated |

### Appendix 15 - Packaging Type Code

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/packaging-type-code>

|  |  |  |
| --- | --- | --- |
| Code Value | Code Name | Description |
| AA | Intermediate bulk container, rigid plastic | A Rigid Intermediate Bulk Container (RIBC) that is attached to a pallet or has the pallet integrated into the RIBC. The container is used for the transport and storage of fluids and other bulk materials. The construction of the IBC container and the materials used are chosen depending on the application. There are various types available in the market place. Foldable (collapsible) IBC Container, Plastic composite IBC Container, Wire Cage IBC Container, Steel IBC Container, and Stainless steel IBC Container. |
| AE | Aerosol | A gas-tight, pressure-resistant container with a valve and propellant. When the valve is opened, propellant forces the product from the container in a fine or coarse spray pattern or stream. (e.g., a spray can dispensing paint, furniture polish, etc, under pressure). It does not include atomizers, because atomizers do not rely on a pressurised container to propel product from the container. |
| AM | Ampoule | A relatively small container made from glass or plastic tubing, the end of which is drawn into a stem and closed by fusion after filling. The bottom may be flat, convex, or drawn out. An ampule is opened by breaking the stem. |
| BA | Barrel | A cylindrical packaging whose bottom end is permanently fixed to the body and top end (head) is either removable or non-removable. |
| BBG | Bag in Box | Bag-In-Box or BIB is a type of container for the storage and transportation of liquids. It consists of a strong bladder, usually made of aluminium PET film or other plastics seated inside a corrugated fibreboard box. The box and internal bag can be fused together. In most cases there is nozzle or valve fixed to the bag. The nozzle can be connected easily to a dispensing installation or the valve allows for convenient dispensing. |
| BG | Bag | A preformed, flexible container, generally enclosed on all but one side, which forms an opening that may or may not be sealed after filling. |
| BJ | Bucket | A container, usually cylindrical, can be equipped with a lid and a handle. (e.g., a pail made of metal, plastic, or other appropriate material). |
| BK | Basket | A semi rigid container usually open at the top traditionally used for gathering, shipping and marketing agricultural products. |
| BO | Bottle | A container having a round neck of relatively smaller diameter than the body and an opening capable of holding a closure for retention of the contents. Specifically, a narrow-necked container as compared with a jar or wide-mouth container. The cross section of the bottle may be round, oval, square, oblong, or a combination of these. Bottles generally are made of glass or plastics, but can also be earthenware or metal. Bottle may be disposable, recyclable, returnable, or reusable. |
| BPG | Blister pack | A type of packaging in which the item is secured between a preformed (usually transparent plastic) dome or “bubble” and a paperboard surface or “carrier.” Attachment may be by stapling, heat-sealing, gluing, or other means. In other instances, the blister folds over the product in clam-shell fashion to form an enclosing container. Blisters are most usually thermoformed from polyvinyl chloride; however, almost any thermoplastic can be thermoformed into a blister. |
| BRI | Brick | A rectangular-shaped, stackable package designed primarily for liquids such as juice or milk |
| BX | Box | A non-specific term used to refer to a rigid, three-dimensional container with closed faces that completely enclose its contents and may be made out of any material. Even though some boxes might be reused or become resealed they could also be disposable depending on the product hierarchy. |
| CG | Cage | A container enclosed on at least one side by a grating of wires or bars that lets in air and light. |
| CM | Card | A flat package to which the product is hung or attached for display. |
| CMS | Clam Shell | A one-piece container consisting of two halves joined by a hinge area which allows the structure to come together to close. Clamshells get their name from their appearance to the shell of a clam, which it resembles both in form and function. |
| CNG | Can/Tin | A metallic and generally cylindrical container of unspecified size which can be used for items of consumer and institutional sizes. |
| CQ | Cartridge | A container holding a item or substance, designed for insertion into a mechanism. Examples: Ink. Beverage Syrup. |
| CR | Crate | A non-specific term usually referring to a rigid three-dimensional container with semi-closed faces that enclose its contents for shipment or storage. Crates could have an open or closed top and may have internal divers. Even though some crates might be reused or become resealed they could also be disposable depending on the product hierarchy. |
| CS | Case | A non-specific term for a container designed to hold, house, and sheath or encase its content while protecting it during distribution, storage and/or exhibition. Cases are mostly intended to store and preserve its contents during the product's entire lifetime. |
| CT | Carton | A non-specific term for an open or re-closable container used mostly for perishable foods (e.g. eggs, or fruit). |
| CU | Cup\Tub | A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Usually made of paper, plastic or other materials these containers are typically used to contain mostly (but not exclusively) foods such as ice cream, margarine, yogurt, sour cream, confections, etc. |
| CY | Cylinder | A rigid cylindrical container with straight sides and circular ends of equal size. |
| EN | Envelope | A predominantly flat container of flexible material having only two faces, and joined at three edges to form an enclosure. The non-joined edge provides a filling opening, which may later be closed by a gummed or adhesive flap, heat seal, tie string, metal clasp, or other methods. |
| GTG | Gable Top | A rectangular-shaped, non-stackable package designed primarily for liquids such as juice or milk |
| JG | Jug | A container, normally cylindrical, with a handle and/or a lid or spout for holding and pouring liquids |
| JR | Jar | A rigid container made of glass, stone, earthenware, plastic or other appropriate material with a large opening, which is used to store products, (e.g., jams, cosmetics). |
| MPG | Multipack | A bundle of products held together for ease of carriage by the consumer. A multipack is always a consumer unit. |
| NE | Not packed | The item is provided without packaging. |
| NT | Net | A container of meshwork material made from threads or strips twisted or woven to form a regular pattern with spaces between the threads that is used for holding, carrying, trapping, or confining something. |
| PB | Pallet Box | A three-dimensional container which either has a pallet platform permanently attached at its base or alternatively requires a platform for its handling and storage as due to its constitution it cannot be handled without it. The characteristics of the platform should be specified using the pallet type code list. |
| PLP | Peel Pack | A package used for sterile products which may be torn open without touching the product inside. |
| PO | Pouch | A preformed, flexible container, generally enclosed with a gusset seal at the bottom of the pack can be shaped/arranged to allow the pack to stand on shelf. |
| PT | Pot | A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Pots are usually made of cardboard, plastic, ceramic, metal or other materials and may be used for a wide array of products such as cosmetics, food/liquids, dairy products, plants. |
| PU | Tray | A shallow container, which may or may not have a cover, used for displaying or carrying items. |
| PUG | Packed, unspecified | Packaging of the product (or products) is currently not on the list. Use this code when no suitable options are available and only while a Change Request is approved for the proper packaging type. |
| PX | Pallet | A platform used to hold or transport unit loads. |
| RK | Rack | A non specific term identifying a framework or stand for carrying, holding, or storing items. Commonly on wheels and primarily used in the logistical functions to deliver items such as hanging garments, or items on shelves such as dairy products and bakery items and flowers. |
| RL | Reel | A spool on which thread, wire, film, etc, is wound. Any device on which a material may be wound. Usually has flanged ends and is used for shipping or processing purposes. |
| RO | Roll | Roll |
| STR | Stretchwrapped | In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around an item or group of items to secure and maintain unit integrity. The use of stretch film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping. |
| SW | Shrinkwrapped | In packaging, a plastic film around an item or group of items which is heated causing the film to shrink, securing the unit integrity. The use of shrunken film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping. |
| SY | Sleeve | A non-rigid container usually made of paper, cardboard or plastic, that is open-ended and is slid over the contents for protection or presentation. |
| TU | Tube | A cylindrical container sealed on one end that could be closed with a cap or dispenser on the other end. |
| WIRE | Wire | A packaging made of a non-specific material in the form of very flexible thread or slender rod. |
| WRP | Wrapper | The process of enclosing all or part of an item with layers of flexible wrapping material (e.g., for an individually packed ice cream). Does not include items which are shrink-wrapped or vacuum-packed. |
| X11 | Banded package | Something used to bind, tie, or encircle the item or its packaging to secure and maintain unit integrity. |
| ZU | Flexible Intermediate Bulk Container | A non-rigid container used for transport and storage of fluids and other bulk materials. The construction of the IBC container and the materials used are chosen depending on the application. |

### Appendix 16 - Packaging Material Type Code

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/packaging-material-type-code>

|  |  |
| --- | --- |
| Code Value | Description |
| BAMBOO | Bamboo |
| CELLULOSE\_HYDRATE | Cellulose hydrate |
| CERAMIC | Ceramic |
| CLOTH\_OR\_FABRIC | Cloth or Fabric |
| COMPOSITE | Composite |
| CORK\_NATURAL | Natural cork |
| CORRUGATED\_BOARD\_DOUBLE\_WALL | Double Wall Corrugated Board |
| CORRUGATED\_BOARD\_OTHER | Corrugated Board Other |
| CORRUGATED\_BOARD\_SINGLE\_WALL | Single Wall Corrugated Board |
| CORRUGATED\_BOARD\_TRIPLE\_WALL | Triple Wall Corrugated Board |
| FIBRE\_BURLAP | Burlap |
| FIBRE\_COTTON | Fibre Cotton |
| FIBRE\_FLAX | Fibre Flax |
| FIBRE\_HEMP | Fibre Hemp |
| FIBRE\_JUTE | Fibre Jute |
| FIBRE\_OTHER | Fibre Other |
| FOAM | Foam |
| GLASS | Glass |
| GLASS\_COLOURED | Coloured Glass |
| LAMINATED\_CARTON | Laminated Carton |
| METAL\_ALUMINUM | Aluminum |
| METAL\_BRASS | Brass |
| METAL\_COMPOSITE | Metal Composite |
| METAL\_IRON | Iron |
| METAL\_LEAD | Lead |
| METAL\_OTHER | Metal |
| METAL\_STAINLESS\_STEEL | Stainless Steel |
| METAL\_STEEL | Steel |
| METAL\_TIN | Tin |
| MINERAL\_CALCIUM\_CARBONATE | Calcium Carbonate |
| MINERAL\_OTHER | Mineral Other |
| MINERAL\_TALC | Talc |
| NATURAL\_RUBBER | Natural rubber |
| OTHER | Not Otherwise Specified |
| PAPER\_CORRUGATED | Corrugated |
| PAPER\_KRAFT | Kraft paper |
| PAPER\_KRAFT\_WET\_STRENGTH | Kraft paper (wet strength) |
| PAPER\_MOLDED\_PULP | Molded Pulp |
| PAPER\_OTHER | Paper Other |
| PAPER\_PAPER | Paper |
| PAPER\_PAPERBOARD | Paperboard |
| PAPER\_RAYON | Rayon Paper |
| PLANT\_LEAVES | Plant Leaves |
| PLASTIC\_BIO\_PLASTIC | Bio-plastic |
| PLASTIC\_OTHER | Plastic Other |
| PLASTIC\_THERMOPLASTICS | Thermoplastics |
| POLYMER\_APET | Polyethylene Terephthalate, amorphous (APET) |
| POLYMER\_BOPP | Polypropylene, longitudinally and laterally stretched (BOPP) |
| POLYMER\_CELLULOSE\_ACETATE | Cellulose Acetate |
| POLYMER\_CPET | Crystallized polyethylene terephthalate (CPET) |
| POLYMER\_EPOXY | Epoxy |
| POLYMER\_EPS | Expanded polystyrene (EPS) |
| POLYMER\_EVA | Ethylene vinyl acetate, (EVA) |
| POLYMER\_EVOH | Ethylene vinyl alcohol (EVOH) |
| POLYMER\_HDPE | High Density Polyethylene (HDPE) |
| POLYMER\_LDPE | Low-density polyethylene (LDPE) |
| POLYMER\_LLDPE | Linear Low Density Polyethylene |
| POLYMER\_MDPE | Medium-density Polyethylene |
| POLYMER\_NYLON | Nylon |
| POLYMER\_OPP | Oriented polypropylene (OPP) |
| POLYMER\_OTHER | Polymers Other |
| POLYMER\_PA | Polyamide (PA) |
| POLYMER\_PAN | Polyacrylonitril (PAN) |
| POLYMER\_PC | Polycarbonate (PC) |
| POLYMER\_PCL | Polycaprolactone (PCL) |
| POLYMER\_PE | Polyethylene (PE) |
| POLYMER\_PEN | Polyethylene Naphthalate (PEN) |
| POLYMER\_PET | Polyethylene Terephthalate (PET) |
| POLYMER\_PETG | Polyethylene Terephthalate Glycol (PETG) |
| POLYMER\_PHA | Polyhydroxyalkanoates (PHA) |
| POLYMER\_PLA | Polylactic Acid or Polylactide (PLA) |
| POLYMER\_PMMA | Polymethyl Methacrylate (PMMA) |
| POLYMER\_POM | Polyoxymethylene (POM) |
| POLYMER\_PP | Polypropylene (PP) |
| POLYMER\_PS | Polystyrene (PS) |
| POLYMER\_PU | Polyurethanes (PU) |
| POLYMER\_PVA | Polyvinyl Alcohol (PVA) |
| POLYMER\_PVC | Polyvinyl Chloride (PVC) |
| POLYMER\_PVDC | Polyvinylidene Chloride (PVDC) |
| POLYMER\_SAN | Styrene acrylonitrile (SAN) |
| POLYMER\_TPS | Thermoplastic Starch (TPS) |
| POLYMER\_XPS | Extruded polystyrene (XPS) |
| RUBBER | Rubber |
| VINYL | Vinyl |
| WOOD\_HARDBOARD | Hardboard |
| WOOD\_HARDWOOD | Hardwood |
| WOOD\_MEDIUM\_DENSITY\_FIBREBOARD | Medium Density Fibreboard |
| WOOD\_ORIENTED\_STRANDBOARD | Oriented Strand Board |
| WOOD\_OTHER | Wood |
| WOOD\_PARTICLE\_BOARD | Particle Board |
| WOOD\_PLYWOOD | Plywood |
| WOOD\_SOFTWOOD | Softwood |

### Appendix 17 - Healthcare Component Type C1 (C1-C5)

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/healthcare-component-type-c1-c5>

|  |  |
| --- | --- |
| Code Value | Description |
| D | Device |
| M | Medicine |

### Appendix 18 – Medicine Container Type Code C1 (C1-C5)

The latest code list can be found from the following hyperlink,

[https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medicine-container-type-code-c1-(c1-c5)](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medicine-container-type-code-c1-%28c1-c5%29)

|  |  |
| --- | --- |
| Code Value | Description |
| AMPL | Ampoule |
| ARC | Aerosol Can |
| ARCMD | Aerosol Can, Metered Dose |
| ARPAC | Aerosol, Pump Actuated |
| ARPAM | Aerosol, Pump Actuated Metered Dose |
| BAG | Bag |
| BFRPK | Buffer Pack |
| BLPK | Blister Pack |
| BTTLE | Bottle |
| BULK | Bulk Container |
| CART | Cartridge |
| CARTN | Carton |
| COMP | Compact |
| DDPACK | Dial Dispenser Pack |
| DEV | Device |
| DISPK | Dispenser Pack |
| DRUM | Drum |
| FTD | Information not keyed in during fast tracking |
| GASCYC | Gas Cylinder |
| INHDP | Inhaler, dry powder |
| INHMD | Inhaler, Metered Dose |
| INP | Information not supplied by sponsor |
| JRCN | Jar/Can |
| MULTI | Multiple container types |
| NON | Not Applicable |
| PFRPK | Puffer Pack |
| SACHT | Sachet |
| SHKWP | Shrink Wrap |
| SPRAYE | Spray, elasticity driven |
| STPPK | Strip Pack |
| SYRNG | Syringe |
| TEABAG | Tea Bag |
| TUBE | Tube |
| VIAL | Vial |
| VITRL | Vitrella |
| WRAPG | Wrapping |
| AMPL | Ampoule |
| ARC | Aerosol Can |
| ARCMD | Aerosol Can, Metered Dose |
| ARPAC | Aerosol, Pump Actuated |
| ARPAM | Aerosol, Pump Actuated Metered Dose |
| BAG | Bag |
| BFRPK | Buffer Pack |
| BLPK | Blister Pack |
| BTTLE | Bottle |
| BULK | Bulk Container |
| CART | Cartridge |
| CARTN | Carton |
| COMP | Compact |
| DDPACK | Dial Dispenser Pack |
| DEV | Device |
| DISPK | Dispenser Pack |
| DRUM | Drum |
| FTD | Information not keyed in during fast tracking |
| GASCYC | Gas Cylinder |
| INHDP | Inhaler, dry powder |
| INHMD | Inhaler, Metered Dose |
| INP | Information not supplied by sponsor |
| JRCN | Jar/Can |
| MULTI | Multiple container types |
| NON | Not Applicable |
| PFRPK | Puffer Pack |
| SACHT | Sachet |
| SHKWP | Shrink Wrap |
| SPRAYE | Spray, elasticity driven |
| STPPK | Strip Pack |
| SYRNG | Syringe |
| TEABAG | Tea Bag |
| TUBE | Tube |
| VIAL | Vial |
| VITRL | Vitrella |
| WRAPG | Wrapping |

### Appendix 19 – Medication Form Code C1D1

The latest code list can be found from the following hyperlink,

[https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medication-form-code-c1d1-(c1d1-c5d5)](https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medication-form-code-c1d1-%28c1d1-c5d5%29)

|  |  |
| --- | --- |
| Code Value | Description |
| ALLDF | All dosage forms |
| APIND | API – not defined |
| APPLIC | Application |
| BAR | Bar, soap |
| BLOCK | Block |
| BULKNA | Bulk, Not applicable |
| CAP | Capsule |
| CAPENT | Capsule, enteric |
| CAPHRD | Capsule, hard |
| CAPMR | Capsule, modified release |
| CAPSFT | Capsule, soft |
| CEMMD | Cement, medicated |
| COLL | Collodion |
| CONDEN | Cone, dental |
| CREAM | Cream |
| DAERO | Device, aerosol |
| DDS | Drug delivery system |
| DDSIN | Drug delivery system, intrauterine |
| DDSOC | Drug delivery system, ocular |
| DDSTR | Drug delivery system, transdermal |
| DDVAG | Drug delivery system, vaginal |
| DEVDC | Device, drug coated (in house only) |
| DGEL | Device gel |
| DILNA | Diluent, not applicable |
| DPOW | Device, powder |
| DRSMD | Dressing, medicated |
| DSOL | Device, solution |
| DSPRAY | Device, spray |
| DTAB | Device, tablet |
| DTABEF | Device, effervescent tablet |
| DWIPE | Device, wipe |
| ENEMA | Enema |
| EOAHE | Essential oils and herbal extract |
| ERD | Ear Drops |
| ERDEM | Ear Drops, emulsion |
| ERDPWD | Ear Drops, powder for |
| ERDSOL | Ear Drops, solution |
| ERDSUS | Ear Drops, suspension |
| ESSEOIL | Essential Oil |
| EXT | Extract |
| EXTCON | Extract, concentrated |
| EXTDRY | Extract, dry |
| EXTLIQ | Extract, liquid |
| EXTSFT | Extract, soft |
| EYD | Eye Drops |
| EYDEM | Eye Drops, emulsion |
| EYDPWD | Eye Drops, powder |
| EYDSOL | Eye Drops, solution |
| EYDSUS | Eye Drops, suspension |
| EYEOIN | Eye Ointment |
| EYERD | Eye and Ear Drops |
| EYERO | Eye and Ear Ointment |
| GASMED | Gas, medicinal |
| GEL | Gel |
| GELEYE | Gel, eye |
| GELMOD | Gel, modified release |
| GRN | Granules |
| GRNEFF | Granules, effervescent |
| GRNENT | Granules, enteric-coated |
| GRNMR | Granules, modified release |
| GUMCHW | Gum, chewing |
| HERBDR | Herb, dried |
| IMPLT | Implant |
| IMPLTR | Implant, radioactive |
| INH | Inhalation |
| INHCON | Inhalation, conventional |
| INHPR | Inhalation, pressurised |
| INHPWD | Inhalation, powder for |
| INJ | Injection |
| INJCEM | Injection, emulsion |
| INJCON | Injection, concentrated |
| INJDIL | Injection, diluent for |
| INJIV | Injection, intravenous infusion |
| INJMR | Injection, modified release |
| INJPWD | Injection, powder for |
| INJSOL | Injection, solution |
| INJSOV | Injection, solvent for |
| INJSUS | Injection, suspension |
| INP | Information not supplied by sponsor |
| INSUF | Insufflation |
| LINMT | Liniment |
| LIQ | Liquids |
| LIQEML | Liquids, emulsions |
| LIQMUL | Liquid, multipurpose |
| LIQS | Liquids, suspensions |
| LIQSOL | Liquids, solutions |
| LIQTIN | Liquids, tinctures |
| LOT | Lotion |
| LOTPWD | Lotion, powder for |
| LOZENG | Lozenge |
| LOZIAP | Lozenge with integral application |
| LVP | Large Volume Parenteral |
| MPAIP | Medicated pads and impregnated patches |
| MTHWSH | Mouthwash |
| NA | Not applicable |
| NEC | Not elsewhere classified |
| NSD | Nasal Drops |
| NSDEM | Nasal Drops, emulsion |
| NSDPWD | Nasal Drops, powder for |
| NSDSOL | Nasal Drops, solution |
| NSDSUS | Nasal Drops, suspension |
| OINTMT | Ointment |
| ORALAP | Oral application |
| ORL | Oral Liquid |
| ORLEM | Oral Liquid, emulsion |
| ORLPWD | Oral Liquid, powder for |
| ORLSOL | Oral Liquid, solution |
| ORLSUS | Oral Liquid, suspension |
| ORLSYP | Oral Liquid, Syrup |
| PADIMP | Pad, impregnated |
| PAG | Powders and granules |
| PASTE | Paste |
| PASTIL | Pastille |
| PES | Pessary |
| PESCOM | Pessary, compressed |
| PESMLD | Pessary, moulded |
| PESMR | Pessary, modified release |
| PESSH | Pessary, shell |
| PILL | Pill |
| PNT | Paint |
| PNTCON | Paint, concentrated |
| PNTPWD | Paint, powder for |
| POW | Powder |
| POWD | Powder, dusting |
| POWDST | Powder, dusting, sterile |
| POWORL | Powder, oral |
| PTDERM | Patch, dermal |
| SAP | Suppositories and pessaries |
| SCRAT | Scratch test unit |
| SEMIS | Semi solids |
| SEMISC | Semi solids, creams gels and ointments |
| SEMISCS | Semi solids, cream sticks |
| SOL | Solution |
| SOLCOD | Solution, concentrated dialysis |
| SOLD | Solution, dialysis |
| SOLIRR | Solution, irrigation |
| SOLPW | Solution, powder for |
| SOLPWD | Solution, powder for dialysis |
| SOLPWI | Solution, powder for irrigation |
| SPR | Spray |
| SPRPR | Spray, pressurised |
| SPRSOL | Spray, solution |
| SPRSUS | Spray, suspension |
| SPYNAS | Spray, nasal |
| SSDF | Soft shell dosage forms |
| STICK | Stick |
| STKLIP | Stick, lip |
| STKURL | Stick, Uretheral |
| SUDF | Solid unit dosage forms |
| SUDFH | Solid unit dosage forms, hard capsules |
| SUDFO | Solid unit dosage forms, chewable blocks |
| SUDFP | Solid unit dosage forms, pills |
| SUDFT | Solid unit dosage forms, tablets |
| SUP | Suppository |
| SUPCOM | Suppository, compressed |
| SUPMLD | Suppository, moulded |
| SUPSH | Suppository, shell |
| SUS | Suspension |
| SUSPWD | Suspension, powder for |
| TAB | Tablet |
| TABCHW | Tablet, chewable |
| TABDIS | Tablet, dispersible |
| TABEC | Tablet, enteric coated |
| TABEFF | Tablet, effervescent |
| TABFC | Tablet, film coated |
| TABGC | Tablet, gelatine coated |
| TABML | Tablet, multilayer |
| TABMR | Tablet, modified release |
| TABODI | Tablet, orally disintegrating |
| TABSC | Tablet, sugar coated |
| TABSOL | Tablet, soluble |
| TABUC | Tablet, uncoated |
| TE | Tea |
| TINCT | Tincture |
| TOPSS | Topical sunscreen forms |
| TOPSSL | Topical sunscreen forms, liquids |
| TOPSSS | Topical sunscreen forms, semi solids |
| TOPSSW | Topical sunscreen forms, wipes |
| WAFER | Wafer |
| WIPEM | Wipe, medicated |
| TOPSSL | Topical sunscreen forms, liquids |

### Medsafe Regulatory Classification

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/medsafe-regulatory-classification>

|  |  |
| --- | --- |
| Code Value | Description |
| Class A Controlled Drug | Class A Controlled Drug |
| Class B1 Controlled Drug | Class B1 Controlled Drug |
| Class B2 Controlled Drug | Class B2 Controlled Drug |
| Class B3 Controlled Drug | Class B3 Controlled Drug |
| Class C1 Controlled Drug | Class C1 Controlled Drug |
| Class C2 Controlled Drug | Class C2 Controlled Drug |
| Class C3 Controlled Drug | Class C3 Controlled Drug |
| Class C4 Controlled Drug | Class C4 Controlled Drug |
| Class C5 Controlled Drug | Class C5 Controlled Drug |
| Class C6 Controlled Drug | Class C6 Controlled Drug |
| Class C7 Controlled Drug | Class C7 Controlled Drug |
| General sale | General sale |
| Pharmacy only | Pharmacy only |
| Prescription | Prescription |
| Restricted | Restricted |
| Temporary Class Drug | Temporary Class Drug |

### Referenced File Type Code

The latest code list can be found from the following hyperlink,

<https://www.gs1au.org/services/data-and-content/national-product-catalogue/npc-data-dictionary/data-attribute/referenced-file-type-code>

|  |  |
| --- | --- |
| Code Value | Description |
| Chemical Assessment Summary | Chemical ingredient information sent to the supplier from a third party as a result of the assessment, For e.g. Chemical Information provided as a report |
| Document | Provides generic information about the product. *For e.g. Instruction Manual, Assembly Guide, Warranty Document, PEHNZ, CENZ* |
| Product Label Image | A document containing a visual representation of the product label. *\*Note: This is not an image but a document.* |
| Logo | A file containing the Manufacturer or Brand Logo(s) associated with the product. |
| Out of Package Image | The image of an item out of its packaging and, if necessary, assembled ready for use by the end user. This type of file is subject the current version of the GDSN Product Image Specification Standard. |
| Product Image | The visual representation of a product. The main (primary) product image that is defined as a 2D Front facing image. We also receive additional images. |
| Cleaning Disinfection Sterilisation Instructions | The cleaning, disinfection and/or sterilisation instructions that apply to the product. These may be in accordance with EN-ISO 17664. (Reprocessed equipment) |
| IFU | Instructions for Use . For e.g., *Supplier instructions for use, Instruction Manual* |
| IFU Including Cleaning Disinfection Sterilisation Instructions | Indicates that the instructions for cleaning/disinfecting/sterilisation are included in the IFU for e.g. an IFU that has the cleaning and reprocessing instructions. |
| Marketing Information | Product information associated with selling a product or service. *For e.g. brochure, flyer, white paper* |
| Recyclability Assessment Certificate | File attachment containing the certificate for recyclability granted to the packaging of the item. |
| Certification | Document which contains a special certification by a third party. *For e.g. Compliance/Standards Certification​(CE, IEC, TGA, FDA or AS/NZS Medical Device Safety Construction Standards), ​WAND (complete screenshot), Latex/DEHP/Chlorhexidine free statement* |
| Chemical Safety Report | A report detailing the risks arising from the manufacture and/or use of a substance and to ensure that they are adequately controlled. For e.g., Chemical Risk Report |
| Safety Data Sheet | Information about the product’s properties of a hazardous substance, how it affects health and safety in the workplace and how to manage these risks. For e.g., Safety Data Sheet (SDS); MSDS Sheet (NZ Standards) |
| Technical Data Sheet | The product specification sheet, created by the manufacturer, summarises the technical characteristics and other properties of the product, relating to technological and commercial purposes. For e.g., Technical Bulletin; Technical Specifications |
| Technical Drawing | A precise and detailed technical drawing of an object. For e.g. a precise technical drawing of a product |
| Video | A file that is a video clip which is relevant to the product. *For e.g. a training video, or instructional/ how to use video files.* |