GDSN Medical Devices (non UDI) Implementation Guideline

contains GDSN Healthcare Use Cases with specific attributes used for Medical Devices. This includes both local and global attributes per Use Case.

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Log of Changes

Release	Date of Change	Changed By	Summary of Change
1	30 January 2015	Pete Alvarez on behalf of the GS1 Healthcare Global GDSN Implementation work group	Added specific Medical Device GDSN implementation attributes to each Use Case
2	9 June 2015	Owen Strouse and Pete Alvarez	Added GDSN attribute name to each data element
1.0	Oct 2015	D. Buckley	Rebranding prior to publication

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Table of Contents

1 Introduction

This document contains specific Global Data Synchronisation Network (GDSN) healthcare Use Cases including a specific set of implementation attributes for Medical Devices. The document was developed with the input from medical devices manufacturers, medical device trade associations, Group Purchasing Organisation, GDSN Data Pools, solution providers and GS1 Member Organisations representing multiple countries where the GDSN is being used to synchronise product data.

This document supplements the formal GS1 Global Data Synchronisation Network (GDSN) standards with advice on its implementation. This document is in no way normative or definitive and is not a standard. It includes implementation guidance for the medical device industry on a variety business process use cases. It seeks to increase consistency and ease of implementation by providing a recommended set of attributes for each use case based on actual implementations across several countries.

2 Who Will Use this Document?

This document is intended for any medical device organisation, GDSN Data Pools and their solution providers, implementing GS1 standards who are looking for guidance on how to use the GDSN to synchronise product master data for specific business processes and use cases in the healthcare sector. It is also intended for GS1 Member Organisations and GDSN Data Pools looking for GDSN implementation guidance.

2.1 GDSN and Unique Device Identification (UDI)

The GDSN guide for UDI provides complete guidance on how to use the GDSN standard and GDSN certified Data Pools to register product data in the U.S. FDA Global UDI Database (GUDID). For additional information refer to a document titled "*GDSN for the FDA Global Unique Device Identifier Database (GUDID)*".

For general information on UDI refer to the *GS1 UDI webpage*.

2.2 Additional Implementation Guidance

In addition to this specific implementation guide for the medical device industry GS1 also maintains a *Trade Item Implementation Guide* which provides general implementation guidance for the GDSN. This document also includes sectors outside of healthcare which are using the GDSN.

3 Use Cases

The Use Cases contained in this document are designed to support consistent data synchronisation practices. Trading partners must have already allocated GTINs to the products for which they want to synchronise product master data and GLNs to identify each other. Some Use Cases may require the physical marking of the product. Therefore, the steps required to assign GTINs and GLNs are found in the appropriate implementation guides and not in this document.

Each use case contains the basic data requirements needed to achieve the objective of the intended purpose. Refer to the Additional Requirements section of this document for further information on GDSN required attributes. Please *contact your local GS1 Member Organisation* for additional information, local support and more detailed implementation guidance.

3.1 Tendering/Sourcing

Use Case ID	UC-1
Use Case Name	Tendering / Sourcing

Objective	Ensure the supplier provides the buyer accurate and standardised data as part of the tender submission, and that the buyer can subsequently source the correct product at the correct level of packaging.
Use Case Description	Generally, tender data is collected by different buyers / jurisdictions using different mechanisms. This may be proprietary spreadsheets or in hard copy format. The lack of clear direction and inconsistency in instruction leads to poor quality tender submissions and inability for buyers to source the appropriate products at the appropriate pack size.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation ▪ An agreement has been made that GDSN data will provide the foundation for tender submission and sourcing decisions.
Post conditions	Accurate tender and sourcing information is provided to the customer and available in the recipient's internal system for tendering
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) utilises the tendering and sourcing data into their internal system to

Related Requirements	Data Requirement	Recommended GDSN Attribute
	Information Provider Of Trade Item Supplier	informationProvider:GLN
	Name of Information Provider	nameOfInformationProvider
	Classification Category Code	classificationCategoryCode
	Net Content	netContent + UoM
	Child Trade Item	childTradeItem:GTIN

	Child Quantity	quantityOfChildren
	Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	quantityOfNextLowerLevelTradeItem
	Clinical Size	AVP - clinicalSizeType AVP - clinicalSizeValue AVP - clinicalSizeValueUoM AVP - clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType + value (SUPPLIER_ASSIGNED)
	Ordering Lead Time	orderingLeadTime + UoM
	Additional Classification Agency Name	additionalClassificationAgencyName additionalClassificationCategoryCode additionalClassificationCategoryDescription
	Brand Owner GLN	brandOwner:GLN
	Name Of Brand Owner	nameOfBrandOwner
	Minimum Trade Item Lifespan From Time Of Arrival	minimumTradeItemLifespanFromTimeOfArrival
	Minimum Trade Item Lifespan From Time Of Production	minimumTradeItemLifespanFromTimeOfProduction
	Target Market Country Code	targetMarketCountryCode
	Manufacturer GLN	manufacturer:GLN
	Name Of Manufacturer	nameOfManufacturer
	Description Short	descriptionShort
	Brand Name	brandName
	Sub Brand	subBrand
	Functional Name	functionalName
	Variant	variant
	Community Visibility Date Time	communityVisibilityDateTime
	Start Availability Date Time	startAvailabilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	Final batch Expiry Date	NOT EXCHANGED VIA GDSN
	First Order Date	firstOrderDate
	Publication Date	publicationDate
	Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Colour Code Value	colorCodeValue
	Colour Code Description	colorCodeDescription
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit
	Is Trade Item A Variable Unit	isTradeItemAVariableUnit
	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit

Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit Of Measure	sellingUnitOfMeasure
Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable
Is Packaging Marked Returnable	isPackagingMarkedReturnable
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Trade Channel	tradeItemTradeChannel
Trade Item Unit Descriptor	tradeItemUnitDescriptor
Publication Date	publicationDate
Child Trade Item	childTradeItem:GTIN
Name of Information Provider	nameOfInformationProvider
Replaced Trade Item	replacedTradeItem
Start Availability Date Time	startAvailabilityDateTime
Cancelled Date	canceledDate
Tax Agency Code	taxAgencyCode
Tax Rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription

GDSN Target Market Specific:

Specific to Australia, France, New Zealand and United States:

Attribute	Recommended GDSN Attribute
Is Trade Item Marked as Recyclable	isTradeItemMarkedAsRecyclable

Specific to Australia, Canada, France, New Zealand:

Attribute	Recommended GDSN Attribute
Description Short	descriptionShort

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
First Order Date	firstOrderDate
Colour Code Value	colorCodeValue
Colour Code Description	colorCodeDescription
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit Of Measure	sellingUnitOfMeasure
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute

Final Batch Expiry Date	N/A - EXTENDED ATTRIBUTE
Is Healthcare Item	N/A - EXTENDED ATTRIBUTE
Countable Items	N/A - EXTENDED ATTRIBUTE(S)
Healthcare Component Type	N/A - EXTENDED ATTRIBUTE(S)
Medicine Device Unit Name	N/A - EXTENDED ATTRIBUTE(S)
Volume Weight Unit	N/A - EXTENDED ATTRIBUTE(S)
No Of Identical Medicine Containers or Devices	N/A - EXTENDED ATTRIBUTE(S)

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
Tax Agency Code	taxAgencyCode
Tax Rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription

Specific to Canada and France :

Attribute	Recommended GDSN Attribute
Trade Item Trade Channel	tradeItemTradeChannel
Replaced Item	replacedTradeItem
Cancelled Date	cancelledDate

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Minimum Trade Item Lifespan From Time of Arrival	minimumTradeItemLifespanFromTimeOfArrival
Minimum Trade Item Lifespan from Time of Production	minimumTradeItemLifespanFromTimeOfProduction

Specific to Canada:

Attribute	Recommended GDSN Attribute
Language Specific Brand Name	languageSpecificBrandName

GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version

Attribute	Recommended GDSN Attribute
Bracket Operator	bracketOperator
Bracket Qualifier Code	bracketQualifierCode
Bracket Tier Maximum	bracketTierMaximum
Bracket Tier Minimum	bracketTierMinimum
Distribution Method Code	distributionMethodCode
Price Type Effective End Date	priceTypeEffectiveEndDate
Price Type Effective End Date Context	priceTypeEffectiveEndDateContext
Price Type Effective Start Date	priceTypeEffectiveStartDate
Price Type Effective Start Date Context	priceTypeEffectiveStartDateContext
Party Receiving Private Data	partyReceivingPrivateData

	Price Type Last Changed Date Time	priceTypeLastChangedDateTime
	Price Action Code	priceActionCode
	Price Type Application Sequence	priceTypeApplicationSequence
	Price Basis Quantity	priceBasisQuantity
	Price Type Code	priceTypeCode
	Item Price Type Segment Identification	itemPriceTypeSegmentIdentification
	Price Type Description	priceTypeDescription
	Price Value	priceValue
	Price Value Type	priceValueType
	Price Action Reason Code	priceActionReasonCode
	Reference Document Description	referenceDocumentDescription
	Reference Document Identifier	referenceDocumentIdentifier

3.2   Contracting

Use Case ID	UC-2
Use Case Name	Contracting
Objective	Ensure the customer has accurate and complete product data to enable a fair and appropriate contracting decision to be made.
Use Case Description	Very often customers lack consistent information required to make appropriate and detailed contracting decisions, for example it is difficult to make an informed contracting decision if data from different suppliers has been provided in different formats / structures (refer Use Case 2.1 above).
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation ▪ An agreement is in place that allows for contracting decisions to be made based on GDSN data.
Post conditions	Accurate and complete product and price information is provided to the customer and available in their internal system for contracting decisions.
Scenario	**Begins when**… the manufacturer records the appropriate product data needed by this specific Use Case in their internal Master Data Management system. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) utilises the product and price data into their internal system to enable informed contracting decisions.

Related Requirements	Attribute	Recommended GDSN Attribute	
	Information Provider Of Trade Item Supplier	InformationProvider:GLN	
	Name Of Information Provider	nameOfInformationProvider	
	Classification Category Code	classificationCategoryCode	

	Net Content	netContent + UOM
	Child Trade Item	childTradeItem:GTIN
	Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Clinical Size	clinicalSizeType clinicalSizeValue + UoM clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
	Order Lead Time	orderingLeadTime + UOM
	UOM Associated with order Lead Time	
	Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode
	Additional Classification Category Description	additionalClassificationCategoryDescription
	Brand Owner	brandOwner:GLN
	Name Of Brand Owner	nameOfBrandOwner
	Bar Code Type	barCodeType
	Target Market Country Code	targetMarketCountryCode
	Name Of Manufacturer	nameOfManufacturer manufacturer:GLN
	Description Short	descriptionShort
	Sub Brand	subBrand
	Functional Name	functionalName
	Variant	variant
	Community Visibility Date Time	communityVisibilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	First Order Date	firstOrderDate
	Publication Date	publicationDate
	Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Colour Code Value	colourCodeValue
	Colour Code Description	colourCodeDescription
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit
	Is Trade Item A Variable Unit	isTradeItemAVariableUnit
	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit
	Handling Instructions Code	handlingInstructionsCode
	Order Quantity Minimum	orderQuantityMinimum
	Selling Unit Of Measure	sellingUnitOfMeasure

Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Trade Channel	tradeItemTradeChannel (HEALTHCARE)
Language Specific Brand Name	languageSpecificBrandName
Replaced Trade Item	replacedTradeItem
Cancelled Date	cancelledDate
Tax Agency Code	taxAgencyCode
Tax Rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription
Publication Date	publicationDate

GDSN Target Market Specific:

Specific to Australia, France, New Zealand and United States:

Attribute	Recommended GDSN Attribute
Is Trade Item Marked as Recyclable	isTradeItemMarkedAsRecyclable

Specific to Australia, Canada and France:

Attribute	Recommended GDSN Attribute
Child Trade Item	childTradeItem:GTIN

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Sub Brand	subBrand
Variant	variant
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
First Order Date	firstOrderDate
Colour Code Value	colourCodeValue
Colour Code Description	colourCodeDescription
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit of Measure	sellingUnitOfMeasure
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute
Order Lead Time	orderingLeadTime + UOM
UOM Associated with Order Lead Time	
Final Batch Expiry Date Time	NOT EXCHANGED VIA GDSN

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem

	Tax Agency Code	taxAgencyCode
	Tax rate	taxRate
	Tax Type Code	taxTypeCode
	Tax Type Description	taxTypeDescription

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider
Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode
Brand Owner	brandOwner:GLN
Name of Brand Owner	nameOfBrandOwner

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Trade Item Trade Channel	tradeItemTradeChannel
Replaced Trade Item	replacedTradeItem
Cancelled Date	cancelledDate

Specific to Canada:

Attribute	Recommended GDSN Attribute
Language Specific Brand Name	languageSpecificBrandName

GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version

Attribute	Recommended GDSN Attribute
Bracket Operator	bracketOperator
Bracket Qualifier Code	bracketQualifierCode
Bracket Tier Maximum	bracketTierMaximum
Bracket Tier Minimum	bracketTierMinimum
Distribution Method Code	distributionMethodCode
Price Type Effective End Date	priceTypeEffectiveEndDate
Price Type Effective End Date Context	priceTypeEffectiveEndDateContext
Price Type Effective Start Date	priceTypeEffectiveStartDate
Price Type Effective Start Date Context	priceTypeEffectiveStartDateContext
Party Receiving Private Data	partyReceivingPrivateData
Price Type Last Changed Date Time	priceTypeLastChangedDateTime
Price Action Code	priceActionCode
Price Type Application Sequence	priceTypeApplicationSequence
Price Basis Quantity	priceBasisQuantity
Price Type Code	priceTypeCode
Item Price Type Segment Identification	itemPriceTypeSegmentIdentification
Price Type Description	priceTypeDescription
Price Value	priceValue
Price Value Type	priceValueType

	Price Action Reason Code	priceActionReasonCode
	Reference Document Description	referenceDocumentDescription
	Reference Document Identifier	referenceDocumentIdentifier
Related Rules	Ensure a mechanism is in place so that the contract information is updated in an amendment to the contract (inclusive of contract price as applicable) between trading partners	

3.3 Procurement

Use Case ID	UC-3
Use Case Name	Procurement
Objective	Ensure the customer has accurate and complete product data to enable an efficient procurement process.
Use Case Description	Very often customers do not have complete or the latest information available to place product orders. The GDSN is often used to provide information about products and their levels of packaging to ensure the correct products in the correct quantity are procured.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation ▪ Tendering, Sourcing and Contracting steps have been completed
Post conditions	Accurate and complete procurement information is provided to the customer and available in their internal system for procurement
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) integrates the procurement data into their internal system to enable procurement

Related Requirements	Attribute	Recommended GDSN Attribute	
	Information Provider Of Trade Item Supplier	InformationProvider:GLN	
	Name Of Information Provider	nameOfInformationProvider	
	Classification Category Code	classificationCategoryCode	
	Net Content	netContent + UOM	

	Child Trade Item	childTradeItem:GTIN
	Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Clinical Size	clinicalSizeType clinicalSizeValue + UoM clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
	Order Lead Time	orderingLeadTime + UOM
	UOM Associated with order Lead Time	
	Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode
	Additional Classification Category Description	additionalClassificationCategoryDescription
	Brand Owner	brandOwner:GLN
	Name Of Brand Owner	nameOfBrandOwner
	Ship to	shipTo
	Minimum Trade Item Lifespan From Time Of Arrival	minimumTradeItemLifespanFromTimeOfArrival
	Minimum Trade Item Lifespan From Time Of Production	minimumTradeItemLifespanFromTimeOfProduction
	Bar Code Type	barCodeType
	Target Market Country Code	targetMarketCountryCode
	Name Of Manufacturer	nameOfManufacturer manufacturer:GLN
	Description Short	descriptionShort
	Brand Name	brandName
	Sub Brand	subBrand
	Functional Name	functionalName
	Variant	variant
	Community Visibility Date Time	communityVisibilityDateTime
	Start Availability Date Time	startAvailabilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	Final batch Expiry Date	NOT EXCHANGED VIA GDSN
	First Order Date	firstOrderDate
	Publication Date	publicationDate
	Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit

Is Trade Item A Variable Unit	isTradeItemAVariableUnit
Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit Of Measure	sellingUnitOfMeasure
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Trade Channel	tradeItemTradeChannel
Language Specific Brand Name	languageSpecificBrandName
Replaced Trade Item	replacedTradeItem
Cancelled Date	cancelledDate
Tax Agency Code	taxAgencyCode
Tax Rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription
Trade Item Unit Descriptor	tradeItemUnitDescriptor
Publication Date	publicationDate
Bar Code Type	barCodeType

GDSN Target Market Specific:

Specific to Australia, Canada, France and New Zealand:

Attribute	Recommended GDSN Attribute
Description Short	descriptionShort

Specific to Australia, Canada and France:

Attribute	Recommended GDSN Attribute
Child Trade Item	childTradeItem:GTIN

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Sub Brand	subBrand
Variant	variant
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
First Order Date	firstOrderDate
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit of Measure	sellingUnitOfMeasure
Trade Item Group Identification Code	tradeItemGroupIdentificationDescription
Trade Item Group Identification Description	tradeItemGroupIdentificationCode

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem

Tax Agency Code	taxAgencyCode
Tax rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute
Order Lead Time	orderingLeadTime + UOM
Final Batch Expiry Date Time	NOT EXCHANGED VIA GDSN

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	InformationProvider:GLN
Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode
Brand Owner	brandOwner:GLN
Name of Brand Owner	nameOfBrandOwner

Specific to Canada and France:

Attribute	Recommended GDSN Attribute
Trade Item Trade Channel	tradeItemTradeChannel
Replaced Trade Itemµ	replacedTradeItem
Cancelled Date	canceledDate

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode
Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
Start Availability Date Time	startAvailabilityDateTime

Specific to Canada:

Attribute	Recommended GDSN Attribute
Language Specific Brand Name	languageSpecificBrandName

GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version

Attribute	Recommended GDSN Attribute
Bracket Operator	bracketOperator
Bracket Qualifier Code	bracketQualifierCode
Bracket Tier Maximum	bracketTierMaximum
Bracket Tier Minimum	bracketTierMinimum
Distribution Method Code	distributionMethodCode
Price Type Effective End Date	priceTypeEffectiveEndDate
Price Type Effective End Date Context	priceTypeEffectiveEndDateContext
Price Type Effective Start Date	priceTypeEffectiveStartDate
Price Type Effective Start Date Context	priceTypeEffectiveStartDateContext
Party Receiving Private Data	partyReceivingPrivateData

	Price Type Last Changed Date Time	priceTypeLastChangedDateTime
	Price Action Code	priceActionCode
	Price Type Application Sequence	priceTypeApplicationSequence
	Price Basis Quantity	priceBasisQuantity
	Price Type Code	priceTypeCode
	Item Price Type Segment Identification	itemPriceTypeSegmentIdentification
	Price Type Description	priceTypeDescription
	Price Value	priceValue
	Price Value Type	priceValueType
	Price Action Reason Code	priceActionReasonCode
	Reference Document Description	referenceDocumentDescription
	Reference Document Identifier	referenceDocumentIdentifier

3.4   Order and Invoice Reconciliation

Use Case ID	UC-4
Use Case Name	Order and Invoice Reconciliation
Objective	Ensure the customer has accurate product pricing information to address order and invoice discrepancies
Use Case Description	Often invoice payment is delayed due to lack of accuracy in the order price quoted versus the invoice price returned. Alternatively, there is often inaccuracy between the price quoted in the buyer purchase order and the price in the supplier system. GDSN can be used to provide accurate pricing information and allow faster invoice reconciliation and therefore payment.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation ▪ An agreement is in place that the GDSN data will be the primary source of data for order placement and invoice reconciliation. ▪ Tendering, Sourcing, Contracting and Procurement steps have been completed
Post conditions	Accurate and complete product and price information is provided to the customer and available in their internal system for placing purchase orders and reconciling invoices against these to minimise pricing discrepancies and therefore invoice queries.
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
9	Data Recipient	Generates purchase order using GDSN data
10	Supplier	Order is processed and invoice generated using GDSN data

Ends when… the customer (data recipient) makes a comparison between the purchase order and invoice applicable to the transaction.

Related Requirements	Attribute	Recommended GDSN Attribute
	Information Provider Of Trade Item Supplier	InformationProvider:GLN
	Name Of Information Provider	nameOfInformationProvider
	Classification Category Code	classificationCategoryCode
	Net Content	netContent + UOM
	Child Trade Item	childTradeItem:GTIN
	Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Clinical Size	clinicalSizeType clinicalSizeValue + UoM clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
	Order Lead Time	orderingLeadTime + UOM
	Ship To	shipTo
	Bar Code Type	barCodeType
	Target Market Country Code	targetMarketCountryCode
	Name Of Manufacturer	nameOfManufacturer manufacturer:GLN
	Community Visibility Time	communityVisibilityDateTime
	Community Visibility Date Time	communityVisibilityDateTime
	Start Availability Date Time	startAvailabilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	Final batch Expiry Date	NOT EXCHANGED VIA GDSN
	First Order Date	firstOrderDate
	Publication Date	publicationDate
	Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit
	Is Trade Item A Variable Unit	isTradeItemAVariableUnit
	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit
	Order Quantity Minimum	orderQuantityMinimum
	Selling Unit Of Measure	sellingUnitOfMeasure
	Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
	Tax Type Description	taxTypeDescription

Trade Item Unit Descriptor	tradeItemUnitDescriptor

GDSN Target Market Specific:

Specific to Australia, Canada and France:

Attribute	Recommended GDSN Attribute
Child Trade Item	childTradeItem:GTIN

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Ship To	shipTo
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
Order Quantity Minimum	orderQuantityMinimum
Selling Unit of Measure	sellingUnitOfMeasure

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
Tax Agency Code	taxAgencyCode
Tax Rate	taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute
Order Lead Time	orderingLeadTime + UOM
Final Batch Expiry Date	NOT EXCHANGED VIA GDSN

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider
Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode
Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
Start Availability Date Time	startAvailabilityDateTime

3.5   Reimbursement Codes and GTINs

Note: There is parallel work developing with the GSMP NHRN work group which could impact this Use Case. This Use Case may be updated depending on the results of this group.

Use Case ID	UC-5
Use Case Name	Reimbursement Codes and GTINs
Objective	Ensure the customer has the proper regulatory reimbursement code mapped to the appropriate GTIN for their Target Market.
Use Case Description	Reimbursement codes vary between markets. There is a need to identify the correct reimbursement code for particular product at specific level of packaging. There are often multiple reimbursement codes for a particular product at a particular level of packaging within a given market. The GDSN provides an effective mechanism to ensure the product is mapped to the proper reimbursement code for a particular market.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics*
Preconditions	■ Supplier keeps accurate records of the reimbursement numbers that apply to their products. ■ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ■ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ■ Trading Partners subscribe to a GDSN data pool ■ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN, including reimbursement numbers ■ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation
Post conditions	Accurate product identification information and all associated reimbursement code information is provided to the customer and available in their internal system as the first point of reference to be used when reimbursement claims are made.
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) uses the GTINs and reimbursement codes specified in GDSN for their reimbursement claims.

Related Requirements	Attribute	Recommended GDSN Attribute
	Information Provider Of Trade Item	InformationProvider:GLN

Use Case ID	UC-5

Name Of Information Provider	nameOfInformationProvider
Classification Category Code	classificationCategoryCode
Net Content	netContent + UOM
Child Trade Item	childTradeItemGTIN
Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
Clinical Size	clinicalSizeType clinicalSizeValue clinicalSizeValueUoM clinicalSizeText
Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
Order Lead Time	orderingLeadTime + UOM
Additional Classification Category Description	additionalClassificationCategoryDescription
Bar Code Type	barCodeType
Target Market Country Code	targetMarketCountryCode
Name Of Manufacturer	nameOfManufacturer manufacturer:GLN
Community Visibility Date Time	communityVisibilityDateTime
Publication Date	publicationDate
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Unit Descriptor	tradeItemUnitDescriptor

GDSN Target Market Specific:

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Community Visibility Date Time	communityVisibilityDateTime

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode
Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem

3.6   Logistics

Use Case ID	UC-7
Use Case Name	Logistics
Objective	Provide accurate dimensions and weights for warehousing and hospital storage optimisation.
Use Case Description	Hospitals and other health facilities are finding that storage areas in pharmacy and general stores, as well as operating theatres among other areas are being reduced as more space is claimed for patient facilities. As such, optimisation of available storage space is critical. GDSN is being used to provide accurate weights and dimensions for storage, handling and warehousing purposes.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics.*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN, including reimbursement numbers ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation
Post conditions	Accurate product identification information and product weights / dimensions are provided to the customer and available in their internal system as the reference to be used by their warehouse management system.
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	Reviews dimensions and weights provided by supplier to ensure these align with current records and identifies any discrepancies.
9	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) uses the identification, weights and measures provided in GDSN as their primary source of logistics and warehousing information.

Related Requirements	Attribute	Recommended GDSN Attribute
	Information Provider Of Trade Item	InformationProvider:GLN

	Name Of Information Provider	nameOfInformationProvider
	Classification Category Code	classificationCategoryCode
	Net Content	netContent + UOM
	Child Trade Item	childTradeItem:GTIN
	Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Clinical Size	clinicalSizeType clinicalSizeValue clincalSizeValueUoM clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
	Order Lead Time	orderingLeadTime + UOM
	Width	Width
	Depth	Depth
	Height	Height
	Net Weight	netWeight + UoM
	Gross Weight	grossWeight + UoM
	Minimum Trade Item Lifespan From Time Of Arrival	minimumTradeItemLifespanFromTimeOfArrival
	Minimum Trade Item Lifespan From Time Of Production	minimumTradeItemLifespanFromTimeOfProduction
	Packaging Type Code	packagingTypeCode
	Packaging Type Description	packagingTypeDescription
	Bar Code Type	barCodeType
	Target Market Country Code	targetMarketCountryCode
	Community Visibility Date Time	communityVisibilityDateTime
	Start Availability Date Time	startAvailabilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	Final Batch Expiry Date	NOT EXCHANGED VIA GDSN
	First Order Date	firstOrderDate
	Quantity of Next Lower Level Trade Item	quantityOfNextLowerLevelTradeItem
	Child Trade Item	childGTIN
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit
	Is Trade Item A Variable Unit	isTradeItemAVariableUnit
	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit
	Is Healthcare Item	tradeItemTradeChannel (HEALTHCARE)
	Handling Instructions Code	handlingInstructionsCode

Order Quantity Minimum	orderQuantityMinimum
Selling Unit Of Measure	sellingUnitOfMeasure
Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable
Is Packaging Marked Returnable	isPackagingMarkedReturnable
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Unit Descriptor	tradeItemUnitDescriptor

GDSN Target Market Specific:

Specific to Australia, France, New Zealand and United States:

Attribute	Recommended GDSN Attribute
Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable

Specific to Australia, Canada and France:

Attribute	Recommended GDSN Attribute
Child Item trade	childTradeItem:GTIN

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
First Order Date	firstOrderDate
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit of Measure	sellingUnitOfMeasure
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item group Identification Code	tradeItemGroupIdentificationCode

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute
Final Batch Expiry Date	NOT EXCHANGED VIA GDSN
Is HealthCare Item	tradeItemTradeChannel (HEALTHCARE)

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode
Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem

	Minimum Trade Item Lifespan from Time of Arrival	minimumTradeItemLifespanFromTimeOfArrival
	Minimum Trade Item Lifespan from Time of Production	minimumTradeItemLifespanFromTimeOfProduction
	Start Availability Date Time	startAvailabilityDateTime

Specific to New Zealand:

Attribute	Recommended GDSN Attribute
Packaging Type Code	packagingTypeCode

3.7   Logistics for Distribution Channel

Use Case ID	UC-8
Use Case Name	Logistics for Distribution Channel
Objective	Provide accurate product hierarchy information, pack size information, dimensions and weights to allow effective distribution function.
Use Case Description	Distributors and suppliers need to understand the pack configurations, relationships and weights / dimensions of the products they handle to ensure that their warehouse operations are seamless. Having incorrect information about a product pack size may mean that an order for 10 items may in fact contain 12. Alternatively, the entity packing a logistics unit may have an incorrect weight for a product meaning that the logistics unit packed is too heavy for the transport provider to handle.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	*To be defined by each organisation according to their internal, or industry agreed, metrics.*
Preconditions	▪ Seller assigns GTINs to their products, and a GLN as required for data synchronisation via their GDSN Data Pool ▪ Buyer assigns GLNs as required for data synchronisation via their GDSN Data Pool ▪ Trading Partners subscribe to a GDSN data pool ▪ The supplier and the customer have an established business relationship and have agreed to synchronise data via the GDSN, pack size, hierarchy and dimensions / weight information. ▪ Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronisation
Post conditions	Accurate product identification information and product weights / dimensions as well as pack size / pack hierarchy are provided to the customer and available in their internal system as the reference to be used by their warehouse management system.
Scenario	**Begins when**… the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case. **Continues with**… the seller is ready to load their product and company data in their GDSN data pool

Step #	Actor	Activity Step
1	Seller	Provides the appropriate data to their GDSN data pool
2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry
3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry
4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool
5	Seller	Authorises the publication of the requested information
6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool
7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient
8	Data Recipient	Reviews dimensions and weights provided by supplier to ensure these align with current records and identifies any discrepancies.
9	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information

Ends when… the customer (data recipient) uses the identification, weights and measures provided in GDSN as their primary source of logistics and warehousing information.

Related Requirements	Attribute	Recommended GDSN Attribute

	Information Provider Of Trade Item	InformationProvider:GLN
	Name Of Information Provider	nameOfInformationProvider
	Classification Category Code	classificationCategoryCode
	Net Content	netContent + UOM
	Child Trade Item	childTradeItem:GTIN
	Total Quantity Of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
	Quantity Of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Clinical Size	clinicalSizeType clinicalSizeValue + UoM clinicalSizeText
	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit
	Is Trade Item A Dispatch Unit	isTradeItemADespatchUnit
	Additional Trade Item Identification Type (Internal product codes, MDL, DIN)	additionalTradeItemIdentificationType (SUPPLIER_ASSIGNED)
	Order Lead Time	orderingLeadTime + UOM
	Width	width
	Depth	depth
	Height	height
	Net Weight	netWeight + UoM
	Gross Weight	grossWeight + UoM
	Minimum Trade Item Lifespan From Time Of Arrival	minimumTradeItemLifespanFromTimeOfArrival
	Minimum Trade Item Lifespan From Time Of Production	minimumTradeItemLifespanFromTimeOfProduction
	Packaging Type Code	packagingTypeCode
	Packaging Type Description	packagingTypeDescription
	Bar Code Type	barCodeType
	Target Market Country Code	targetMarketCountryCode
	Community Visibility Date Time	communityVisibilityDateTime
	Start Availability Date Time	startAvailabilityDateTime
	Consumer Availability Date Time	consumerAvailabilityDateTime
	Final Batch Expiry Date	NOT EXCHANGED VIA GDSN
	First Order Date	firstOrderDate
	Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
	Child Trade Item	childTradeItem:GTIN
	Is Trade Item A Base Unit	isTradeItemABaseUnit
	Is Trade Item A Consumer Unit	isTradeItemAConsumerUnit
	Is Trade Item A Variable Unit	isTradeItemAVariableUnit
	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit
	Is Healthcare Item	tradeItemTradeChannel (HEALTHCARE)

Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit Of Measure	sellingUnitOfMeasure
Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable
Is Packaging Marked Returnable	isPackagingMarkedReturnable
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Unit Descriptor	tradeItemUnitDescriptor

GDSN Target Market Specific:

Specific to Australia, France, New Zealand and United States:

Attribute	Recommended GDSN Attribute
Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable

Specific to Australia, Canada and France:

Attribute	Recommended GDSN Attribute
Child Item trade	childTradeItem:GTIN

Specific to Australia, France and New Zealand:

Attribute	Recommended GDSN Attribute
Community Visibility Date Time	communityVisibilityDateTime
Consumer Availability Date Time	consumerAvailabilityDateTime
First Order Date	firstOrderDate
Handling Instructions Code	handlingInstructionsCode
Order Quantity Minimum	orderQuantityMinimum
Selling Unit of Measure	sellingUnitOfMeasure
Trade Item Group Identification Description	tradeItemGroupIdentificationDescription
Trade Item group Identification Code	tradeItemGroupIdentificationCode

Specific to Australia and France:

Attribute	Recommended GDSN Attribute
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem

Specific to Australia and New Zealand:

Attribute	Recommended GDSN Attribute
Final Batch Expiry Date	NOT EXCHANGED VIA GDSN
Is Healthcare Item	tradeItemTradeChannel

Specific to Canada, France and United States:

Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider

Specific to France and United States:

Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode

Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeItem
Minimum Trade Item Lifespan from Time of Arrival	minimumTradeItemLifespanFromTimeOfArrival
Minimum Trade Item Lifespan from Time of Production	minimumTradeItemLifespanFromTimeOfProduction
Start Availability Date Time	startAvailabilityDateTime

Specific to New Zealand:

Attribute	Recommended GDSN Attribute
Packaging Type Code	packagingTypeCode

4   Additional Requirements

- Trading Partners must have a pre-established commercial relationship and have exchanged necessary information about each other as needed in the process of conducting normal business.

- Changes to internal processes and systems may be required. Consult with your appropriate business unit owner and IT staff.

- The minimum set of GDSN mandatory attributes are required in order to facilitate data synchronisation. For further information refer to the GDSN Trade Item Implementation Guide *http://www.gs1.org/gdsn*

5   Additional information on local implementation of the GDSN

For additional information regarding implementation of the GDSN in a particular country contact your local GS1 Member Organisation by visiting this page *http://www.gs1.org/contact*, or a GDSN certified Data Pool by visiting this page *http://www.gs1.org/gdsn*

For further information regarding this document or additional information on GDSN in Healthcare please contact your local *GS1 Member Organisation*.