

The Global Language of Business

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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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 "<u>GDSN for the FDA Global Unique Device</u> <u>Identifier Database (GUDID)</u>".

For general information on UDI refer to the <u>GS1 UDI webpage</u>.

2.2 Additional Implementation Guidance

In addition to this specific implementation guide for the medical device industry GS1 also maintains a <u>*Trade Item Implementation Guide*</u> 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 <u>contact your local GS1 Member Organisation</u> 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			uyer accurate and standardised data as part of the tender n subsequently source the correct product at the correct level of		
Use Case Description	This may b inconsisten	e proprietary spreadshe cy in instruction leads t	by different buyers / jurisdictions using different mechanisms. eets or in hard copy format. The lack of clear direction and o poor quality tender submissions and inability for buyers to the appropriate pack size.		
Actors (Goal)	Seller, Buy	er, GDSN Data Pool, GS	1 Global Registry		
Performance Goals	To be defin	ed by each organisation	n according to their internal, or industry agreed, metrics		
Preconditions	 Seller assigns GTINs to their products, and a GLN as required for data synchronisation via the GDSN Data Pool 				
	-				
		Partners subscribe to a			
		nise data via the GDSN	nave an established business relationship and have agreed to		
	 Basic inf 		ading Partner GLNs and GTINs have been provided to each synchronisation		
		ement has been made t ion and sourcing decisic	hat GDSN data will provide the foundation for tender ns.		
Post conditions		ender and sourcing infor internal system for tend	mation is provided to the customer and available in the lering		
Scenario			records in their internal Master Data Management system the y this specific Use Case.		
	Continues pool	with the seller is rea	ady to load their product and company data in their GDSN data		
	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		
		Data Recipient	The buyer sends a confirmation to the seller via each		
	8		company's data pool, which informs the supplier of the action taken by the buyer using the information		
		n the customer (data	company's data pool, which informs the supplier of the		
Related	Ends when internal sys	n the customer (data	company's data pool, which informs the supplier of the action taken by the buyer using the information		
Related Requirements	Ends when internal sys	n the customer (data stem to	company's data pool, which informs the supplier of the action taken by the buyer using the information recipient) utilises the tendering and sourcing data into their Recommended GDSN Attribute		
	Ends when internal sys Data Rec Information Supplier	n the customer (data stem to guirement	company's data pool, which informs the supplier of the action taken by the buyer using the information recipient) utilises the tendering and sourcing data into their Recommended GDSN Attribute		
	Ends when internal syst Data Rec Informatic Supplier Name of I	n the customer (data stem to quirement on Provider Of Trade Ite	company's data pool, which informs the supplier of the action taken by the buyer using the information recipient) utilises the tendering and sourcing data into their Recommended GDSN Attribute em informationProvider: GLN		
	Ends when internal syst Data Rec Informatic Supplier Name of I	n the customer (data stem to quirement on Provider Of Trade Ite nformation Provider tion Category Code	company's data pool, which informs the supplier of the action taken by the buyer using the information recipient) utilises the tendering and sourcing data into their Recommended GDSN Attribute em informationProvider:GLN nameOfInformationProvider		

Π



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	handlingl	nstructionsCode	
Order Quantity Minimum	orderQua	ntityMinimum	
Selling Unit Of Measure	sellingUn	itOfMeasure	
Is Trade Item Marked As Recyclable	isTradeIt	emMarkedAsRecyclable	
Is Packaging Marked Returnable	isPackagi	ngMarkedReturnable	
Trade Item Group Identification Description	tradeIten	nGroupIdentificationDescription	
Trade Item Group Identification Code	tradeIten	nGroupIdentificationCode	
Trade Item Trade Channel	tradeIten	nTradeChannel	
Trade Item Unit Descriptor	tradeIten	nUnitDescriptor	
Publication Date	publicatio	onDate	
Child Trade Item	childTrad	eltem: GTIN	
Name of Information Provider	nameOfIr	nformationProvider	
Replaced Trade Item	replaced	FradeItem	
Start Availability Date Time	startAvai	labilityDateTime	
Cancelled Date	canceled	Date	
Tax Agency Code	taxAgenc	yCode	
Tax Rate	taxRate		
Tax Type Code	taxTypeC	ode	
Tax Type Description	taxTypeD	Description	
GDSN Target Market Spec	ific:		
Specific to Australia, France	, New Z	ealand and United States:	
Attribute		Recommended GDSN Attribute	
Is Trade Item Marked as Recyclable		isTradeItemMarkedAsRecyclable	
Specific to Australia, Canada, France, M	New Zealar	nd:	
Attribute		Recommended GDSN Attribute	
Description Short		descriptionShort	
Specific to Australia, France	and Ne	w 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 Desc	ription	tradeltemGroupIdentificationDescription	
Trade Item Group Identification Code		tradeltemGroupIdentificationCode	
Specific to Australia and Ne	w Zeala	nd:	
Attribute		Recommended GDSN Attribute	



Party Receiving Private Data	partyReceivingPrivateData
Price Type Effective Start Date Context	priceTypeEffectiveStartDateContext
Price Type Effective Start Date	priceTypeEffectiveStartDate
Price Type Effective End Date Context	priceTypeEffectiveEndDateContext
Price Type Effective End Date	priceTypeEffectiveEndDate
Distribution Method Code	distributionMethodCode
Bracket Tier Minimum	bracketTierMinimum
Bracket Tier Maximum	bracketTierMaximum
Bracket Qualifier Code	bracketQualifierCode
Bracket Operator	bracketOperator
Attribute	Recommended GDSN Attribute
GDSN Price Sync Standard: Used in of this version	n Australia and New Zealand only as
Language Specific Brand Name	languageSpecificBrandName
Attribute	Recommended GDSN Attribute
Specific to Canada:	
Minimum Trade Item Lifespan from Time of Production	minimumTradeItemLifespanFromTimeOfProduction
Minimum Trade Item Lifespan From Time of Arrival	minimumTradeItemLifespanFromTimeOfArrival
Attribute	Recommended GDSN Attribute
Specific to France and United State	25:
Cancelled Date	cancelledDate
Replaced Item	replacedTradeItem
Trade Item Trade Channel	tradeItemTradeChannel
Attribute	Recommended GDSN Attribute
Specific to Canada and France :	
Tax Type Description	taxTypeDescription
Tax Type Code	taxTypeCode
Tax Rate	taxRate
Tax Agency Code	taxAgencyCode
Quantity of Next Lower Level Trade Item	QuantityOfNextLowerLevelTradeItem
Attribute	Recommended GDSN Attribute
Specific to Australia and France:	
No Of Identical Medicine Containers or Devices	N/A - EXTENDED ATTRIBUTE(S)
Volume Weight Unit	N/A - EXTENDED ATTRIBUTE(S)
Medicine Device Unit Name	N/A - EXTENDED ATTRIBUTE(S)
Healthcare Component Type	N/A - EXTENDED ATTRIBUTE(S)
Countable Items	N/A - EXTENDED ATTRIBUTE(S)
Is Healthcare Item	N/A - EXTENDED ATTRIBUTE



Price Type Last Changed Date Time	priceTypeLastChangedDateTime
The type cast changed Date fille	priceryperastonangeabaterine
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		customer has accurate decision to be made.	and comp	lete product data to enable a fair and appropriate	
Use Case Description	contracting	decisions, for example	it is diffic	ation required to make appropriate and detailed ult to make an informed contracting decision if data n different formats / structures (refer Use Case 2.1	
Actors (Goal)	Seller, Buy	er, GDSN Data Pool, GS	51 Global	Registry	
Performance Goals	To be defin	ed by each organisation	n accordin	g to their internal, or industry agreed, metrics	
Preconditions	GDSN D Buyer as Trading The sup synchroi Basic inf other as	ata Pool ssigns GLNs as required Partners subscribe to a olier and the customer h hise data via the GDSN ormation such as the Th needed to enable data	for data s GDSN da nave an es rading Par synchron	ther GLNs and GTINs have been provided to each	
Post conditions		nd complete product an al system for contractir		formation is provided to the customer and available in its.	
	pool		5	d their product and company data in their GDSN data	
	<u> </u>		Activity Step		
	Step #	Actor	Activity	Step	
	Step #	Actor Seller		Step the appropriate data to their GDSN data pool	
			Provide	s the appropriate data to their GDSN data pool subset of this data is registered in the GS1 Global	
	1	Seller	Provides A small Registry The buy	s the appropriate data to their GDSN data pool subset of this data is registered in the GS1 Global	
	1 2	Seller Source Data Pool	Provides A small Registry The buy subscrip	s the appropriate data to their GDSN data pool subset of this data is registered in the GS1 Global er, through its own data pool, sends a	
	1 2 3	Seller Source Data Pool Buyer GS1 Global	Provides A small Registry The buy subscrip Sends a pool	er, through its own data pool, sends a tion request to the GS1 Global Registry	
	1 2 3 4	Seller Source Data Pool Buyer GS1 Global Registry	Provides A small Registry The buy subscrip Sends a pool Authoris The sell	er, through its own data pool, sends a tion request to the GS1 Global Registry subscription request to the source GDSN data	
	1 2 3 4 5	Seller Source Data Pool Buyer GS1 Global Registry Seller	Provide: A small Registry The buy subscrip Sends a pool Authoris The sell to the b	er's data pool publishes the data to the requested information uyer's data pool publishes the data to the Data	
	1 2 3 4 5 6	Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool	Provide: A small Registry The buy subscrip Sends a pool Authoris The sell to the b The buy Recipier The buy compan	er's data pool publishes the data to the requested information uyer's data pool publishes the data to the Data	
	1 2 3 4 5 6 7 8 Ends whe	SellerSource Data PoolBuyerGS1 Global RegistrySellerSource Data PoolRecipient Data PoolData Recipient	Provide: A small Registry The buy subscrip Sends a pool Authoris The sell to the buy Recipier The buy compan action t.	er, through its own data pool, sends a subset of this data is registered in the GS1 Global er, through its own data pool, sends a stion request to the GS1 Global Registry subscription request to the source GDSN data ees the publication of the requested information er's data pool publishes the requested information uyer's data pool er's data pool publishes the data to the Data at er sends a confirmation to the seller via each y's data pool, which informs the supplier of the aken by the buyer using the information utilises the product and price data into their internal	
Related	1 2 3 4 5 6 7 8 Ends whe	Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool Data Recipient n the customer (data enable informed contract	Provide: A small Registry The buy subscrip Sends a pool Authoris The sell to the buy Recipier The buy compan action t.	er, through its own data pool, sends a subset of this data is registered in the GS1 Global er, through its own data pool, sends a stion request to the GS1 Global Registry subscription request to the source GDSN data ees the publication of the requested information er's data pool publishes the requested information uyer's data pool er's data pool publishes the data to the Data at er sends a confirmation to the seller via each y's data pool, which informs the supplier of the aken by the buyer using the information utilises the product and price data into their internal	
Related Requirements	1 2 3 4 5 6 7 8 Ends whee system to a Attribute	Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool Data Recipient n the customer (data enable informed contract	Provides A small Registry The buy subscrip Sends a pool Authoris The sell to the buy Recipier The buy compan action t recipient)	er sends a confirmation to the seller via each y's data pool publishes the data to the Data att	
	12345678Ends whe system to aAttribute Informati Supplier	Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool Data Recipient n the customer (data enable informed contracted	Provides A small Registry The buy subscrip Sends a pool Authoris The sell to the buy Recipier The buy compan action t recipient)	s the appropriate data to their GDSN data pool subset of this data is registered in the GS1 Global er, through its own data pool, sends a tion request to the GS1 Global Registry subscription request to the source GDSN data ses the publication of the requested information er's data pool publishes the requested information uyer's data pool er's data pool publishes the data to the Data at er sends a confirmation to the seller via each y's data pool, which informs the supplier of the aken by the buyer using the information utilises the product and price data into their internal ions. Recommended GDSN Attribute	



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	additionalClassificationCategoryDescriptio
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



Specific to Australia and France: Attribute	Recommended GDSN Attribute
Specific to Australia and France.	
Specific to Australia and France	
Final Batch Expiry Date Time	NOT EXCHANGED VIA GDSN
UOM Associated with Order Lead Time	
Order Lead Time	orderingLeadTime + UOM
Attribute	Recommended GDSN Attribute
Specific to Australia and New Zeal	
Trade Item Group Identification Code	tradeItemGroupIdentificationCode
Trade Item Group Identification Description	tradeltemGroupIdentificationDescription
Selling Unit of Measure	sellingUnitOfMeasure
Order Quantity Minimum	orderQuantityMinimum
Handling Instructions Code	handlingInstructionsCode
Colour Code Description	colourCodeDescription
Colour Code Value	colourCodeValue
First Order Date	firstOrderDate
Consumer Availability Date Time	consumerAvailabilityDateTime
Community Visibility Date Time	
Variant	variant
Sub Brand	subBrand
Attribute	Recommended GDSN Attribute
Specific to Australia, France and N	
Child Trade Item	childTradeItem:GTIN
Attribute	Recommended GDSN Attribute
Specific to Australia, Canada and I	<u> </u>
Is Trade Item Marked as Recyclable	isTradeItemMarkedAsRecyclable
Attribute	Recommended GDSN Attribute
Specific to Australia, France, New	Zealand and United States:
GDSN Target Market Specific:	
	ublicationDate
	axTypeDescription
Tax Type Code ta	axTypeCode
	axRate
Tax Agency Code ta	axAgencyCode
	ancelledDate
	eplacedTradeItem
Language Specific Brand Name la	nguageSpecificBrandName
Trade Item Trade Channel tr	adeItemTradeChannel (HEALTHCARE)
Trade Item Group Identification Code tra	adeItemGroupIdentificationCode



Tax Agency Code	taxAgencyCode
Tax Agency Code Tax rate	taxAgencyCode taxRate
Tax Type Code	taxTypeCode
Tax Type Description	taxTypeDescription
Specific to Canada, France and U	
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 U	nited 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
only as of this version	Sed in Australia and New Zealand 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	
nem Price Type Segment Identification	itemPriceTypeSegmentIdentification
Price Type Description	
	itemPriceTypeSegmentIdentification
Price Type Description	itemPriceTypeSegmentIdentification priceTypeDescription



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



3.3 Procurement

Use Case ID	UC-3			
Use Case Name	Procurer	ment		
Objective	Ensure t process.		urate	and complete product data to enable an efficient procurement
Use Case Description	orders.	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, E	eller, Buyer, GDSN Data Pool, GS1 Global Registry		
Performance Goals	To be de	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				nt information is provided to the customer and available in their
	internal system for procurement			
	Continu pool		[.] is rea	y this specific Use Case. Idy to load their product and company data in their GDSN data
	Step	Actor	Activ	<i>v</i> ity Step
	1	Seller	Prov	ides 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 The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry 	
	3	Buyer		
	4	GS1 Global Registry	Send	ds a subscription request to the source GDSN data pool
	5	Seller	Authorises the publication of the requested information	
	6	Source Data Pool	I The seller's data pool publishes the requested information to t buyer's data pool	
	7	Recipient Data Pool	The	buyer's data pool publishes the data to the Data Recipient
	8	Data Recipient	data	buyer sends a confirmation to the seller via each company's pool, which informs the supplier of the action taken by the er using the information
		hen the customer to enable procureme		recipient) integrates the procurement data into their internal
Related		to enable procureme		recipient) integrates the procurement data into their internal Recommended GDSN Attribute
Related Requirements	system Attrib	to enable procureme	nt	
	System Attrib Inform Item S	to enable procureme ute ation Provider Of Tra	nt ide	Recommended GDSN Attribute
	System Attribution Inform Item S Name	to enable procureme ute ation Provider Of Tra upplier	nt ide der	Recommended GDSN Attribute InformationProvider: GLN



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 IsTrade Item An Invoice Unit Is Trade Item An Invoice Unit IsTradeItemAnInvoiceUnit Hardling Instructions Code AndfingInstructions Code 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 tradeItemGroupIdentificationCode Tax Rate taxAgencyCode Tax Type Code taxAgencyCode Tax Rate publicationDate Bar Code Type GDSN Target Market Specific: Specific to Australia, Canada and France:<	_11	1	
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Quantity of Next Lower Lovel Trade Itom Quantity Of Next ower ovel Trade Itom	Order Quantity Minimum Selling Unit of Measure Trade Item Group Identifica Trade Item Group Identifica	ation Description	sellingUnitOfMeasure tradeItemGroupIdentificationDescription
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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 Ur	nited 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 Sta	tes:
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
	in Australia and New Zealand only as
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	
The Type Lifective Start Date Context	priceTypeEffectiveStartDateContext
Party Receiving Private Data	



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 discrepance		te product pricing information to address order and invoice
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		
 Seller assigns GTINs to their products, and a GLN as required for data synchron their GDSN Data Pool Ruyor assigns GLNs as required for data synchronisation via their CDSN Data Pool 		products, and a GLN as required for data synchronisation via	
	 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	available in	their internal system	and price information is provided to the customer and for placing purchase orders and reconciling invoices against pancies and therefore invoice queries.
Scenario	the approp	riate product data nee	er records in their internal Master Data Management system eded by this specific Use Case. ready to load their product and company data in their GDSN
	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	Sends a subscription request to the source GDSN data
		Registry	pool
	5	Registry Seller	
	5		pool
		Seller	pool Authorises the publication of the requested information The seller's data pool publishes the requested
	6	Seller Source Data Pool Recipient Data	poolAuthorises the publication of the requested informationThe seller's data pool publishes the requested information to the buyer's data poolThe buyer's data pool publishes the data to the Data
	6	Seller Source Data Pool Recipient Data Pool	poolAuthorises the publication of the requested informationThe seller's data pool publishes the requested information to the buyer's data poolThe buyer's data pool publishes the data to the Data RecipientThe buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the



Related	Attribute	Recommended GDSN Attribute
Requirements	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	d 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 Ze	aland
Attribute	Recommended GDSN Attribute
Order Lead Time	orderingLeadTime + UOM
Final Batch Expiry Date	NOT EXCHANGED VIA GDSN
Specific to Canada, France and L	Inited States:
Attribute	Recommended GDSN Attribute
Name of Information Provider	nameOfInformationProvider
Additional Classification Category Name	additionalClassificationAgency additionalClassificationCategoryCode
Specific to France and United St	ates:
Attribute	Recommended GDSN Attribute
Classification Category Code	classificationCategoryCode
Total Quantity of Next Lower Level Trade Item	totalQuantityOfNextLowerLevelTradeIten
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	reimburser multiple re a given ma	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 defir	To be defined by each organisation according to their internal, or industry agreed, metrics			
Preconditions	products Seller as	 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 			
		SN Data Pool ssigns GLNs as require	ed for data	synchronisation via their GDSN Data Pool	
	5	Partners subscribe to		-	
				stablished business relationship and have agreed ng reimbursement numbers	
		formation such as the needed to enable dat		tner GLNs and GTINs have been provided to each sation	
Post conditions	is provided	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 data pool	Continues with the seller is ready to load their product and company data in their GDSN			
	Step #	Actor	Activity S	tep	
	Step #	Actor Seller		tep the appropriate data to their GDSN data pool	
			Provides	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1	
	1	Seller	Provides A small s Global Re The buye	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1	
	1	Seller Source Data Pool	Provides A small s Global Re The buye subscript	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 gistry r, through its own data pool, sends a	
	1 2 3	Seller Source Data Pool Buyer GS1 Global	Provides A small s Global Re The buye subscript Sends a s pool	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 egistry r, through its own data pool, sends a ion request to the GS1 Global Registry	
	1 2 3 4	Seller Source Data Pool Buyer GS1 Global Registry	Provides A small s Global Re The buye subscript Sends a s pool Authorise The selle	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 gistry r, through its own data pool, sends a ion request to the GS1 Global Registry subscription request to the source GDSN data	
	1 2 3 4 5	Seller Source Data Pool Buyer GS1 Global Registry Seller	Provides A small s Global Re The buye subscript Sends a s pool Authorise The selle informati	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 gistry r, through its own data pool, sends a ion request to the GS1 Global Registry subscription request to the source GDSN data es the publication of the requested information r's data pool publishes the requested on to the buyer's data pool r's data pool publishes the data to the Data	
	1 2 3 4 5 6	SellerSource Data PoolBuyerGS1 Global RegistrySellerSource Data PoolRecipient Data	 Provides A small s Global Re The buye subscript Sends a s pool Authorise The selle informati The buye Recipient The buye company 	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 gistry r, through its own data pool, sends a ion request to the GS1 Global Registry subscription request to the source GDSN data es the publication of the requested information r's data pool publishes the requested on to the buyer's data pool r's data pool publishes the data to the Data	
	1 2 3 4 5 6 7 8 Ends whe	SellerSource Data PoolBuyerGS1 Global RegistrySellerSource Data PoolRecipient Data PoolData Recipient	 Provides A small s Global Re The buye subscript Sends a s pool Authorise The selle informati The buye Recipient The buye company action tal 	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 egistry r, through its own data pool, sends a ion request to the GS1 Global Registry subscription request to the source GDSN data es the publication of the requested information r's data pool publishes the requested on to the buyer's data pool r's data pool publishes the data to the Data r sends a confirmation to the seller via each s's data pool, which informs the supplier of the ken by the buyer using the information	
Related Requirements	1 2 3 4 5 6 7 8 Ends whe	Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool Data Recipient n the customer (data GDSN for their reimb	 Provides A small s Global Re The buye subscript Sends a s pool Authorise The selle informati The buye Recipient The buye company action tal 	the appropriate data to their GDSN data pool ubset of this data is registered in the GS1 egistry r, through its own data pool, sends a ion request to the GS1 Global Registry subscription request to the source GDSN data es the publication of the requested information r's data pool publishes the requested on to the buyer's data pool r's data pool publishes the data to the Data r sends a confirmation to the seller via each s's data pool, which informs the supplier of the ken by the buyer using the information	



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 acc	curate 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, Buy	Seller, Buyer, GDSN Data Pool, GS1 Global Registry			
Performance Goals	To be defir	ned by each organisation	on 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 				
Post conditions	other as needed to enable data synchronisation 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.				
	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 2	Seller Source Data Pool	Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1		
	3	Buyer	Global Registry 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				
			a recipient) uses the identification, weights and measures y source of logistics and warehousing information.		
Related	Attribute	÷	Recommended GDSN Attribute		
Requirements	Informati Item	Information Provider Of Trade 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



orderQuan	tityMinimum			
sellingUnit	OfMeasure			
isTradeIte	mMarkedAsRecyclable			
isPackagin	gMarkedReturnable			
tradeltem	GroupIdentificationDescription			
tradeltem	GroupIdentificationCode			
tradeltem	UnitDescriptor			
pecific:				
nce, New	Zealand and United States:			
	Recommended GDSN Attribute			
ole	isTradeItemMarkedAsRecyclable			
ada and	France:			
	Recommended GDSN Attribute			
	childTradeItem:GTIN			
nce and N	New Zealand:			
	Recommended GDSN Attribute			
	communityVisibilityDateTime			
	consumerAvailabilityDateTime			
	firstOrderDate			
	handlingInstructionsCode			
	orderQuantityMinimum			
	sellingUnitOfMeasure			
escription	tradeltemGroupIdentificationDescription			
ode	tradeltemGroupIdentificationCode			
Specific to Australia and France:				
	Recommended GDSN Attribute			
le Item	QuantityOfNextLowerLevelTradeItem			
New Zea	land:			
	Recommended GDSN Attribute			
	NOT EXCHANGED VIA GDSN			
	tradeItemTradeChannel (HEALTHCARE)			
e and Un	ited States:			
	Recommended GDSN Attribute			
	nameOfInformationProvider			
ited Stat	:es:			
	ommended GDSN Attribute			
Rec	assificationCategoryCode			
	sellingUnit isTradeIte isPackagin tradeItem tradeItem becific: nce, New ole ada and nce and N nce and N nce and N nce and N nce and N nce and N			



TradeItemLifespanFromTimeOfProduction	
abilityDateTime	
GDSN Attribute	
Code	
Recommended GDSN Attribute 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 defir	ned by each organisati	on 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 					
	-					
	 The sup to synch 	 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	size / pack	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	the approp Continues data pool	priate product data nee	er records in their internal Master Data Management system eded by this specific Use Case. eady to load their product and company data in their GDSN			
Scenario	the approp	priate product data nee	eded by this specific Use Case.			
Scenario	the approp Continues data pool	priate product data nee s with the seller is r	eded by this specific Use Case. eady to load their product and company data in their GDSN			
Scenario	the approp Continues data pool Step #	oriate product data nee s with the seller is r Actor	eded by this specific Use Case. eady to load their product and company data in their GDSN Activity Step			
Scenario	the approp Continues data pool Step # 1	oriate product data nee s with the seller is r Actor Seller	Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1			
Scenario	the approp Continues data pool Step # 1 2	Actor Seller Source Data Pool	Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a			
Scenario	the approp Continues data pool Step # 1 2 3	Actor Seller Source Data Pool Buyer GS1 Global	Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data			
Scenario	the approp Continues data pool Step # 1 2 3 4	Actor Seller Source Data Pool Buyer GS1 Global Registry	Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data pool			
Scenario	the approp Continues data pool Step # 1 2 3 4 5	Actor Seller Source Data Pool Buyer GS1 Global Registry Seller	eded by this specific Use Case. eady to load their product and company data in their GDSN Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data pool Authorises the publication of the requested information The seller's data pool publishes the requested			
Scenario	the approp Continues data pool Step # 1 2 3 4 5 6	Actor Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data	eded by this specific Use Case. eady to load their product and company data in their GDSN Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data pool Authorises the publication of the requested information The seller's data pool publishes the requested information The buyer's data pool publishes the data to the Data			
Scenario	the approp Continues data pool Step # 1 2 3 4 5 6 7	Actor Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool	aded by this specific Use Case. eady to load their product and company data in their GDSN Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data pool Authorises the publication of the requested information The seller's data pool publishes the requested information The buyer's data pool publishes the data to the Data Recipient Reviews dimensions and weights provided by supplier to ensure these align with current records and			
Scenario	the approp Continues data pool Step # 1 2 3 4 5 6 7 8 9 Ends whe	arriate product data needs with the seller is r Actor Seller Source Data Pool Buyer GS1 Global Registry Seller Source Data Pool Recipient Data Pool Data Recipient Data Recipient n the customer (data recipient)	aded by this specific Use Case. eady to load their product and company data in their GDSN Activity Step Provides the appropriate data to their GDSN data pool A small subset of this data is registered in the GS1 Global Registry The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry Sends a subscription request to the source GDSN data pool Authorises the publication of the requested information The seller's data pool publishes the requested information The buyer's data pool publishes the data to the Data Recipient Reviews dimensions and weights provided by supplier to ensure these align with current records and identifies any discrepancies. The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the			



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	minimumTradeItemLifespanFromTimeOfProductio
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)



	1				
Handling Instructions Code	handlingIr	nstructionsCode			
Order Quantity Minimum	orderQuar	orderQuantityMinimum			
Selling Unit Of Measure	sellingUnit	OfMeasure			
Is Trade Item Marked As Recyclable	isTradeIte	mMarkedAsRecyclable			
Is Packaging Marked Returnable	isPackagin	ngMarkedReturnable			
Trade Item Group Identification Description	tradeItem	GroupIdentificationDescription			
Trade Item Group Identification Code	tradeItem	GroupIdentificationCode			
Trade Item Unit Descriptor	tradeItem	UnitDescriptor			
GDSN Target Market Specific: Specific to Australia, France, New Zealand and United States:					
Attribute		Recommended GDSN Attribute			
Is Trade Item Marked As Recyclat	ole	isTradeItemMarkedAsRecyclable			
Specific to Australia, Can		, , , , , , , , , , , , , , , , , , ,			
Attribute		Recommended GDSN Attribute			
Child Item trade		childTradeItem:GTIN			
Specific to Australia, Fran	aco and M				
-					
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 Trac	de Item	QuantityOfNextLowerLevelTradeItem			
Specific to Australia and New Zealand:					
Attribute		Recommended GDSN Attribute			
Final Batch Expiry Date		NOT EXCHANGED VIA GDSN			
Is Healthcare Item		tradeItemTradeChanneI			
Specific to Canada, Franc	e and Ur	nited States:			
Attribute		Recommended GDSN Attribute			
Name of Information Provider		nameOfInformationProvider			
Specific to France and Un	ited Stat	tes:			
Attribute		commended GDSN Attribute			
Classification Category Code	clas	sificationCategoryCode			
classification category coue					



	Packaging Type Code		packagingTypeCode		
	Start Availability Date Time startAvailabilityDateTime Specific to New Zealand: Recommended GDSN Attribute		Recommended GDSN Attribute		
			startAvailabilityDateTime		
	Minimum Trade Item Lifespan from Time of Production	minimumTradeItemLifespanFromTimeOfProduction			
	Minimum Trade Item Lifespan from Time of Arrival	mini	mumTradeItemLifespanFromTimeOfArrival		
	Total Quantity of Next Lower Level Trade Item		totalQuantityOfNextLowerLevelTradeItem		

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 <u>http://www.gs1.org/gdsn</u>

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 <u>http://www.gs1.org/contact</u>, or a GDSN certified Data Pool by visiting this page <u>http://www.gs1.org/gdsn</u>

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