Supplier
GDSN Implementation Guide
For
Provincial Health Services Authority - PHSA

Version 1.0; March 2022

Provincial Health Services Authority   GDSN Implementation Guide   Prepared by Commport Datapool

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OVERVIEW:

Provincial Health Services Authority (PHSA), has made the decision to leverage the GDSN (Global Data Synchronization Network), the GS1 Global Data Synchronisation Network® (GDSN) minimizes data errors by eliminating human intervention and eliminates the need to maintain multiple catalogues. The implementation of standardized global data synchronisation through the GDSN in other sectors, particularly in the Fast Moving Consumer Goods (FMCG) sector, has proven that the infrastructure and the standards are in place, and more importantly has proven the benefits for retailers and suppliers. Also the Healthcare sector can benefit from global data synchronisation. PHSA's GDSN supply chain initiative will simplify the exchange of supplier product information by leveraging the GDSN data synchronization model.

We are partnering with Commport Communications International, inc. as our GDSN-certified data pool, to provide us with GDSN Data Recipient data pool services. The GDSN is widely supported by other industry competitors in Canada and the US. For suppliers, the GDSN is a 1-to-many service meaning you can automate the loading and daily updating of all your product content to each of your customers who use the GDSN.

The GDSN uses standardized data attributes and communication choreography that enables PHSA to receive clean, current and complete product content from ALL our suppliers through a single network. The GDSNetwork employs a data synchronization model, so as suppliers change, add or delete items, the change is automatically received within 24 hours, keeping both parties on the same page.

GDSN publication Options:

1. IN GDSN: Being in the GDSN today (and many of you are already) you can use your current data pool to publish your GDSN item content to PHSA. You must register your GLN and other info on the Trading Partner Form at http://www.commport.com/phsa/

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2. NOT IN GDSN: PHSA recommends you contact Commport and talk with Commport staff (see page 5 for info) regarding their GDSN data pool service. Commport have operated a GDSN-certified data pool for 14 years, have numerous suppliers across many industry sectors, including hardlines/LBM. Commport use a business model that combines data pool onboarding with GDSN data registration and publication services at one low price. Commport provides French language sales, training and support for our Quebec-based suppliers. Commport's GDSN business model provides suppliers with an automated spreadsheet to load and manage data, excellent 1-to-1 training and ongoing support from a dedicated CSR who you get to know which makes it as easy for you to manage your GDSN catalogue files.

To learn about the GDSN and Commport go to:

- http://www.commport.com/global-data-synchronization/

- http://www.gs1.org/gdsn.

All the information you require to meet the PHSA GDSN requirements is included in this guide. All communications related to PHSA GDSN implementation options and matters should be directed to Commport.

TIMING:

We require all GDSN related item data for all the items we carry, to be successfully published to us within 60 days of our initial request – we have a very tight deadline.

PRODUCT CONTENT REQUIREMENTS:

PHSA requires the following GDSN data:

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1. Active Products:

   At a minimum, PHSA requires you to publish via GDSN, ALL the items we currently stock and buy which include all the items we purchase from your company today and products that were purchased during the last 12 months. We would prefer that you publish your complete product listing to PHSA as we continue to expand our eComm catalogue.

   Changes/Deletions:

   As your products change, please continue to send any changes, corrections and/or deletion notifications, for these products via GDSN. This will ensure PHSA receives the latest information for your products daily.

   New Items:

   We want you to publish ALL your items to us. If you have new items, please publish them to PHSA as well. We plan to use the GDSN as a sourcing tool for potential new items.

2. GTINS:

   For each published item, PHSA requires ALL GTINs that are associated with the item, including the base-level GTIN (consumer unit) and other package level GTINs.

3. Digital Content:

   Product images and other digital assets are requested. Please publish all digital content, including any product images (please provide both high rez and low rez (RGB) images if you can), spec sheets, assembly instructions, MSDS sheets, or any other product supporting content or resource. We obtain your images through URL tags for digital content, included in your current consumer level GTIN records. This method means we do not have to retrieve, handle and match digital content. This also means we know we have the correct image because it is associated with your specific GTIN. If you do not have URL capability, please contact Commport for assistance.

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4. Product Attributes:

With regards to the specific product attribute information please publish the GTINs you have in your current GDSN catalogue file with the attributes listed below, and any digital content you have available. If there is a requirement for any additional attribute(s), you will be notified accordingly.

PHSA Mandatory Fields Guide
V 1.0 March 2022

Item Key: **Mandatory (M)** = Subset of attributes required by PHSA to process your publication
Requested (R) = Additional attributes requested by PHSA
Conditional (C) = Dependent on related fields or if applicable to your product

Core:

GDSN Common Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
GTIN	gtin	M	
Manufacturer GLN	manufacturerOfTradeItem/gln	M	
Information Provider GLN	informationProviderOfTradeItem	M	
Manufacturer Product Number	additionalTradeItemIdentificationValue	M	
Manufacturer Product Number	additionalTradeItemIdentificationType	M	SUPPLIER_ASSIGNED or MODEL_NUMBER
Alternate Classification Agency	additionalTradeItemClassificationSystemCode	R	
Alternate Classification Code	additionalTradeItemClassificationCodeValue	R	
Target Market	targetMarketCountryCode	M	
Global Product Classification (GPC)	gpcCategoryCode	M	
UPC Barcode Type	gs1TradeItemIdentificationKeyCode	M	
UPC Barcode	gs1TradeItemIdentificationKeyValue	M	
Data Carrier Type	dataCarrierTypeCode	M	
Brand Name	brandName	M	
Brand Owner GLN	brandOwner/gln	M	
Brand Owner	brandOwner/partyName	M	
Product Name (English)	tradeItemDescription	M	languageCode="en"
Product Name (French)	tradeItemDescription	R	languageCode="fr"
Short Description (English)	descriptionShort	M	languageCode="en"

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Short Description (French)	descriptionShort	R	languageCode="fr"
Manufacturer Expanded Product Description (English)	additionalTradeItemDescription	M	languageCode="en"
Manufacturer Expanded Product Description (French)	additionalTradeItemDescription	R	languageCode="fr"
Lot/Batch Number	hasBatchNumber	R	
Quantity of Next Lower Package Level	quantityOfNextLowerLevelTradeItem	C	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
Quantity of Inner Packs	quantityOfInnerPack	C	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN
GTIN of Next Lower Level Trade Item	childTradeItem/gtin	C	
Inner Pack Quantity (No GTIN Assigned)	quantityOfNextLevelTradeItemWithinInnerPack	C	
Net Content with UoM	netContent & measurementUnitCode	M	
Unit Descriptor	tradeItemUnitDescriptorCode	M	
Net Weight with UoM	netWeight & measurementUnitCode	M	
Gross Weight with UoM	grossWeight & measurementUnitCode	M	
Drained Weight with UoM	drainedWeight & measurementUnitCode	R	
Height with UoM	height & measurementUnitCode	M	
Depth with UoM	depth & measurementUnitCode	M	
Width with UoM	width & measurementUnitCode	M	
Pallet Ti and Pallet Hi	quantityOfLayersPerPallet	M	
Pallet Ti and Pallet Hi	quantityOfTradeItemsPerPalletLayer	M	
Pallet Ti and Pallet Hi	quantityOfCompleteLayersContainedInATradeItem	R	
Pallet Ti and Pallet Hi	quantityOfTradeItemsContainedInACompleteLayer	R	
Pallet Ti and Pallet Hi	quantityOfTradeItemsPerPallet	R	
Country of Origin	countryOfOrigin/countryCode	M	
Variable Unit	isTradeItemAVariableUnit	M	
Functional Name (English)	functionalName	M	languageCode="en"
Functional Name (French)	functionalName	R	languageCode="fr"
Is Trade Item Consumer Unit?	isTradeItemAConsumerUnit	M	
Is Trade Item Invoice Unit?	isTradeItemAnInvoiceUnit	M	

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Is Trade Item Orderable?	isTradeItemAnOrderableUnit	M	
Is Packaging marked as Returnable?	isPackagingMarkedReturnable	M	
Is Item the Base Unit (Lowest Packaging Level)	isTradeItemABaseUnit	M	
Is Trade Item Shipping Unit?	isTradeItemADespatchUnit	M	
Is the Item marked as recyclable?	isTradeItemMarkedAsRecyclable	M	
Are non-sold items returnable?	isNonSoldTradeItemReturnable	R	
Return Goods Policy	returnGoodsPolicyCode	M	
Effective Date	effectiveDateTime	M	
Publication Date	publicationDateTime	M	
Item Availability Date	startAvailabilityDateTime	M	
Ordering Lead Time (Days)	orderingLeadTime	M	Mandatory on an Orderable Unit.
Order Quantity Multiple	orderQuantityMultiple	M	Mandatory on an Orderable Unit.
Order Quantity Min	orderQuantityMinimum	M	Mandatory on an Orderable Unit.
Ordering UOM	orderingUnitOfMeasure	M	Mandatory on a Consumer Unit.
Selling UOM	sellingUnitOfMeasure	M	Mandatory on a Consumer Unit.
Packaging Type	packagingTypeCode	M	Mandatory on a Consumer Unit.
Packaging Material	packagingMaterialTypeCode	M	Mandatory on a Consumer Unit.
Material Safety Data Sheet (MSDS)	sDSSheetNumber	R	Mandatory if applicable to the item, also mandatory if U.N. Dangerous Goods information is present.
Is Trade Item Recalled	isTradeItemRecalled	M	
Serial Number Location	serialNumberLocationCode	R	
Min. Lifespan from Production	minimumTradeItemLifespanFromTimeOfProduction	R	
Min. Lifespan from Arrival	minimumTradeItemLifespanFromTimeOfArrival	R	
Expiration Date Type	tradeItemDateOnPackagingTypeCode	R	
Contact Type	contactType	R	
Communication Channel	communicationChannelCode	R	
Communicaton Number	communicationValue	R	
Is Trade Item Considered Generic?	isTradeItemConsideredGeneric	R	
Is Trade Item Implantable?	isTradeItemImplantable	R	

Manufacturer Declared Reusability Type	manufacturerDeclaredReusabilityType	**R**	
Does Trade Item Contain Human Blood Derivative?	doesTradeItemContainHumanBloodDerivative	**R**	
Does Trade Item Contain Latex?	doesTradeItemContainLatex	**R**	
MRI Compatibility Code	mRICompatibilityCode	**R**	
Manufacturer Declared Reusability Type	manufacturerDeclaredReusabilityType	**R**	
Device Exempt from Premarket Submission	exemptFromFDAPreMarketAuthorization	**R**	
Is Trade Item Exempt from Direct Part Marketing	isTradeItemExemptFromDirectPartMarking	**R**	
Direct Part Marketing (DM DI Number)	directPartMarking	**R**	
Initial Manufacturer Sterilisation	tradeItemSterilityInformation/initialManufacturerSterilisation	**R**	
Initial Sterilisation Prior To Use	tradeItemSterilityInformation/initialSterilisationPriorToUse	**R**	
Sub Brand	subBrand	**R**	

Marketing & Digital Content:

GDSN Common Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
Marketing Message	tradeItemMarketingMessage	**R**	
Benefits	tradeItemFeatureBenefit	**R**	
Product Image	uniformResourceIdentifier	R	referencedFileTypeCode="PRODUCT_IMAGE"
Marketing Information	uniformResourceIdentifier	R	referencedFileTypeCode="MARKETING_INFORMATION"
Safety Data Sheet	uniformResourceIdentifier	R	referencedFileTypeCode="SAFETY_DATA_SHEET"
Video	uniformResourceIdentifier	R	referencedFileTypeCode="VIDEO"
Warranty Information	uniformResourceIdentifier	R	referencedFileTypeCode="WARRANTY_INFORMATION"

STEP-BY-STEP GUIDE TO SYNCHRONIZATION:

1. Review the product content requirements above and using the product attribute link

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2. Load your items into your data pool. Contact your data pool support for any assistance needed or contact Commport.

3. Publish your items to PHSA's GLN : 7540128000023 as "Initial Load"

4. PHSA will review the item data received and send the Catalogue Item Confirmation (CIC) message as follows:

   a. A CIC with the state of "ACCEPT" will automatically be sent when your publication is received, and the data passes initial attribute validations.

   b. A CIC with the state of "REVIEW" will be sent if there are missing attributes or data discrepancies with details of the issue(s):
      i. Review the message, make the corrections and publish the corrections to PHSA

   c. A CIC with the state of "SYNCHRONIZED" will be sent after PHSA has processed the item data

   d. A CIC with the state of "REJECT" will be sent if the published item is not carried by PHSA.

PROJECT CONTACTS – PHSA

PHSA Project Executive:
Kanwar Hayer
Provincial Manager, Supply Chain Infrastructure & Analytics
T: 604-297-9193
E: Kanwar.Hayer@hssbc.ca

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PROJECT CONTACTS - COMMPORT

- Sales:

Greg Patterson	Glen Haywood
VP, Sales	GM, Sales
T: 905-727-6782 Ext: #2202	T: 905-727-6782 Ext: #2206
E: gregp@commport.com	E: glenh@commport.com

- Commport Datapool:

Daniel Zabalet
Manager, CGS Datapool Services
T: 905-727-6782 Ext: #2221
E: danielz@commport.com

- GDSN Support:

Commport Datapool Support
T: 905-727-6782
E: cgssupport@commport.com

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