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GDSN Synchronization to GHSC-PSM

USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM

Procurement and Supply Management

Today's Presenters

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Meeting Objectives

- GHSC-PSM global standards initiative

- IWorldSync GDSN overview

  – Review of the synchronization process

  – GHSC-PSM attribute guide overview

  – IWS Data Load and Maintenance (DLM) offering for GHSC-PSM suppliers

- Resources

- Q & A

  – Please submit questions in the chat feature to be answered

GHSC-PSM global standards initiative

Our team

Cross Cutting

Kaitlyn Roche
Manager, Global Standards & Traceability

TBA
Data Management Technical Advisor
Starting 11th March 2019

Data Quality & Load

Samuel Oh
MIS Catalog Manager

Andrew Godlewicz
DQM Catalog Data Specialist

Supplier Engagement

Rachel Smith
Supplier Engagement Analyst

David Tedone
Global Standards Specialist

Systems Strengthening

Dana Tatnell
Global Standards Analyst

TBA
Traceability Technical Advisor
Estimated March / April 2019

What is GHSC trying to achieve?

Vision
To enable identification of every item procured at every point in the supply chain, through administration to the patient

Goal
To enable a secure and efficient supply chain from source through to service delivery

Objectives
- To enable end-to-end data visibility
- To identify and implement supply chain efficiencies
- To ensure supply chain security
- To increase patient safety

GHSC-PSM GS1 Global Standards Requirements

	Phase 1	**Phase 2**	**Phase 3**	**Phase 4**
	30 Dec 2018	30 Dec 2019	30 June 2020	30 June 2022

TERTIARY PACKAGING

Homogenous Trade Item

GS1 Data Matrix or GS1-128 barcode encoded with:
- (01) GTIN
- (10) Batch/lot
- (17) Expiration Date

Homogenous Trade Item

GS1 Data Matrix or GS1-128 barcode also encoded with
- (21) Serial Number

Mixed or Partial Trade Item

GS1 -128 barcode encoded with:
- (00) SSCC

Logistic Unit

GS1 -128 barcode encoded with:
- (00) SSCC

SECONDARY PACKAGING

Trade Item

GS1 Data Matrix encoded with:
- (01) GTIN
- (10) Batch/lot
- (17) Expiration Date

Trade Item

GS1 Data Matrix also encoded with:
- (21) Serial Number

MASTER DATA

Trade Item

GTIN for each unit of measure

Locations
- (416) GLN Sold-From
- (415) GLN Invoice-From
- (414) GLN Production

Trade Item

All item master data submitted through the GDSN*

Legend

Pharmaceuticals

Medical devices, sterile kits & laboratory reagents

Identify Items & Locations

Capture data on barcode label

Share data with trading partners

For more information on how to comply: www.1worldsync.com/customer-page/ghsc-psm

*For more information on our requirements: http://ghsupplychain.org/globalstandards*

GTIN: Global Trade Item Number
GLN: Global Location Number
GDSN: Global Data Synchronization Network
SSCC: Serial Shipping Container Code

7

The GDSN opportunity for global heath

GS1 Global Data Synchronisation Network™ (GDSN®)
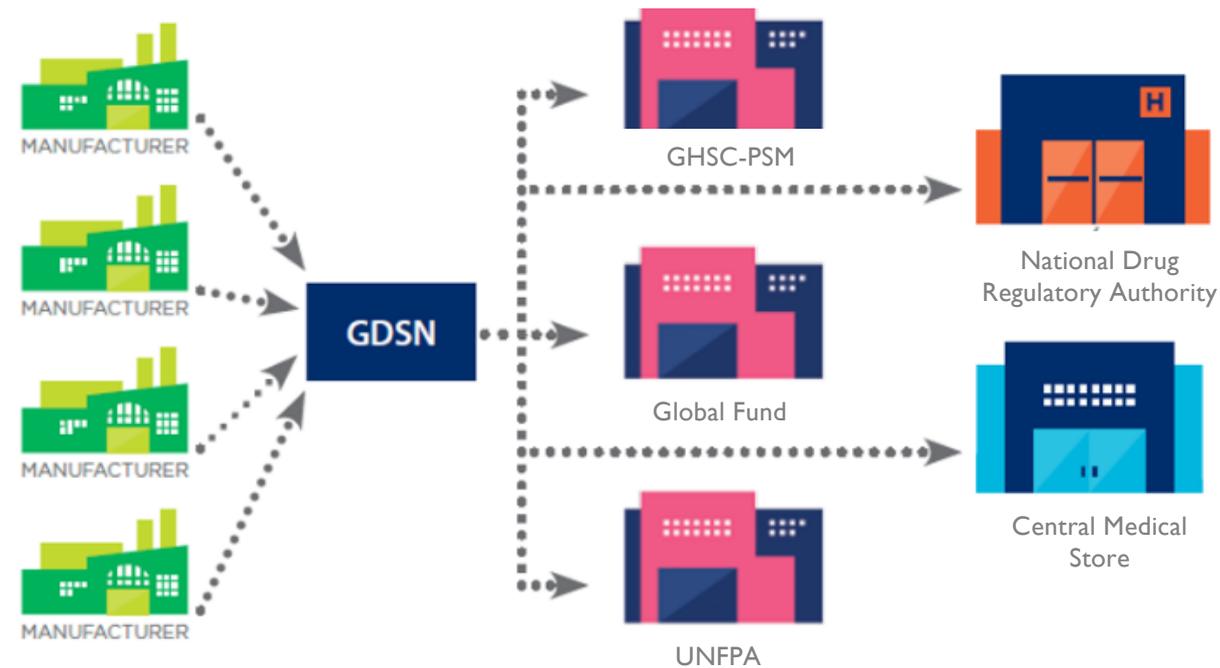
Manufacturers are able to provide data to all kind of databases and all kinds of customers (hospitals, distributors, wholesalers, GPOs) simultaneously, with a single connection.

# Our Phase 1 requirement deadline passed on 30Dec18

What should have been completed to be compliant?

- ✓ Submitted GLNs for all in-scope legal entities and locations

- ✓ Submitted GTINs for all in-scope trade item hierarchies

- ✓ Submitted a sample of your compliant tertiary pack barcode

GHSC-PSM is monitoring compliance against all in-scope trade items under contract and will report feedback through GHSC-PSM supplier scorecards beginning in Q3 FY19.

For questions related to your organizations' compliance against stated requirements, please email datasync@ghsc-psm.org.

Phase 1 by the numbers

1823   items with **GTINs** submitted
ready for GDSN

454   items with **tertiary packaging** verified
ready to be scanned

119   items **ahead of schedule** on packaging requirements
momentum is building

44   **suppliers** have provided GTINs & GLNS
prepared for global commerce

In Phase 2, product master data must be synchronized via GDSN by 30Dec19

Compliance will be tracked and reported as a key performance metric in supplier scorecards. Failure to comply will negatively impact a supplier's scorecard starting on 31Dec19.

Proof of compliance will be requested in sourcing events. Failure to comply will be considered in future awards and order allocation decisions.

- **Existing suppliers:** If an existing supplier responds to a RFx event after 30Dec19 and is not in compliance with the GDSN requirement for existing contracts that the supplier holds with GHSC-PSM, a new supply contract may not be awarded.
- **New suppliers:** A supply contract may not be awarded by GHSC-PSM until such time that a supplier demonstrates that it has established a contract with a GDSN Certified Data Pool.

What do you need to do to get started?

1. Subscribe to a GDSN-certified data pool provider of your choice

   - A list of all GDSN-certified data pool providers can be found at https://www.gs1.org/services/gdsn/certified-data-pools

   - 1WorldSync has a special offer for GHSC-PSM suppliers to join the GDSN. For more information, contact +1-866-280-4013 or businessdevelopment@1worldsync.com

2. Internal Preparation

   - Work with existing or establish an internal master data management process

   - Get executive buy-in and create internal initiatives to allow you to invest time and resources in GDSN

RECOMMENDED COMPLETION
By March - June 2019

Publish content to GHSC-PSM via GDSN

3. Load the GTIN, GLN, and associated item data into your GDSN data pool solution

    – Reference the GHSC-PSM Data Synchronization Attribute Guide for a complete list of attribute requirements

4. Email datasync@ghsc-psm.org indicating you are ready to synchronize your data. GHSC-PSM will subscribe to your GLN in the GDSN.

5. Publish items to GHSC-PSM production GLN 0858939007009

    – Reference the GHSC-PSM Data Synchronization Implementation Guide for more detailed specifications related to publication

6. Continue to maintain items through the data synchronization process

DEADLINE
30th December 2019

Thank you to our early adopters who have synchronized data with PSM!

# Review of the GDSN synchronization process

Synchronizing Your Product Information

1) Is there a match?

Manufacturers / Wholesalers

-Target Market (Development Assistance)
-GLN
-GTIN

GS1 GLOBAL REGISTRY®

-Target Market (Development Assistance)
-GLN
-GTIN

USAID GHSC-PSM

Send Information

Yes

Receive Information

2) Synchronized

Manufacturer / Wholesaler
SOURCE DATA POOL

Chemonics
USAID GHSC-PSM
RECIPIENT DATA POOL
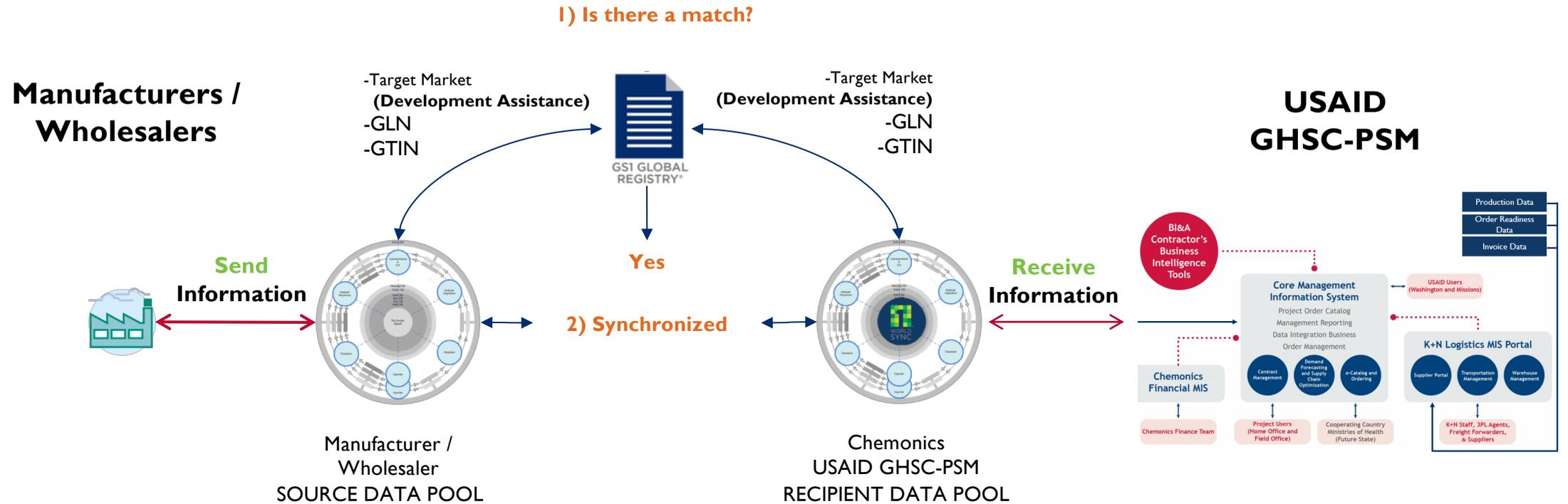
1) Secure connection established between supplier and recipient

2) Product content is shared (synchronized) and updated in real time

Synchronizing Your Product Information

REGISTER/ RELEASE
2

SUBSCRIBE TO GLN
3

LOAD DATA
1

GS1 GLOBAL REGISTRY®

PUBLISH GTIN
4

5

Manufacturer /Wholesaler
SOURCE DATA POOL

USAID GHSC-PSM
RECIPIENT DATA POOL

CONFIRM DATA RECEIVED
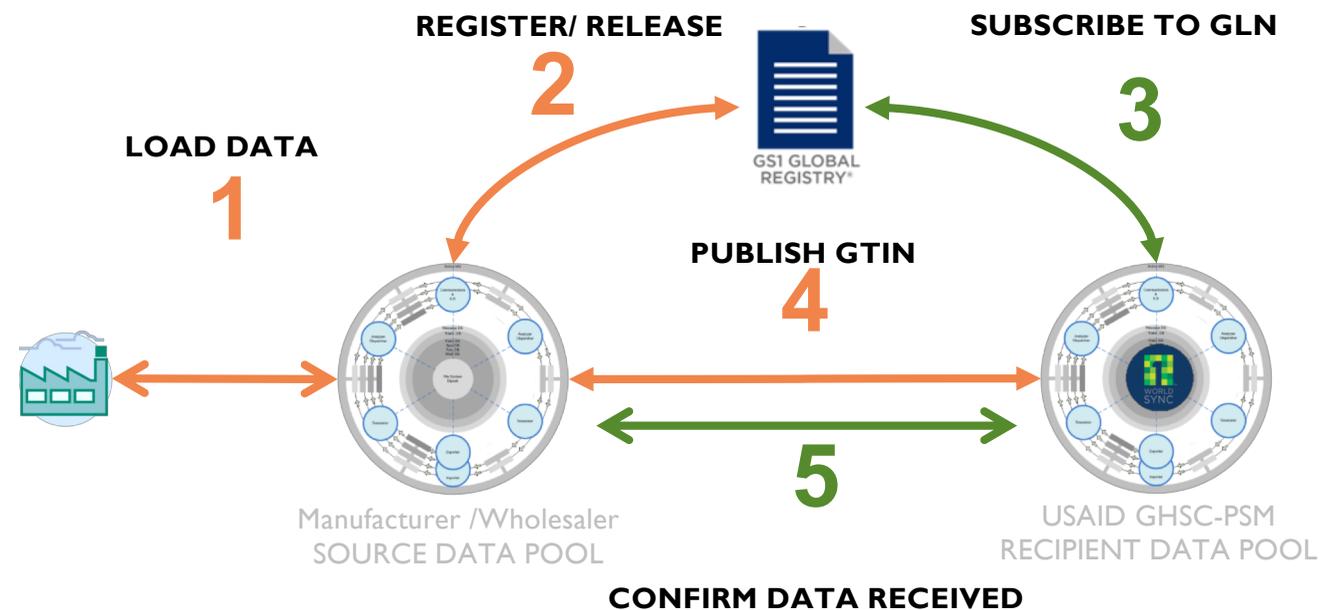
Manufacturer / Wholesaler Steps

1) Loading of company product information, you must enter your product content into a data pool. This will require that you pass basic product content validations.

2) Registering of company product information, this registers your product at the Global Registry

4) Publish product content to **GHSC-PSM GLN 0858939007009**

GHSC-PSM Steps

3) Subscription to source data pool; GHSC-PSM will enter your GLN to be subscribed to in the data pool which will allow for your published information to be received.

5) GHSC-PSM will notify you that your content has been received by sending a message through GDSN

GDSN Hierarchy: Combining GTINs

GTIN A (GTIN-14)
2950400005927**3**

GTIN B (GTIN-14)
3950400005927**0**

GTIN C (GTIN-14)
4950400005927**7**

GTIN D (GTIN-14)
6950400005927**1**

GTIN E (pallet as a Trade Item with GTIN-14)
8950400005927**5**

Detailed content can be entered for each GTIN

- dimensions
- weight
- dosage
- # of lower level items
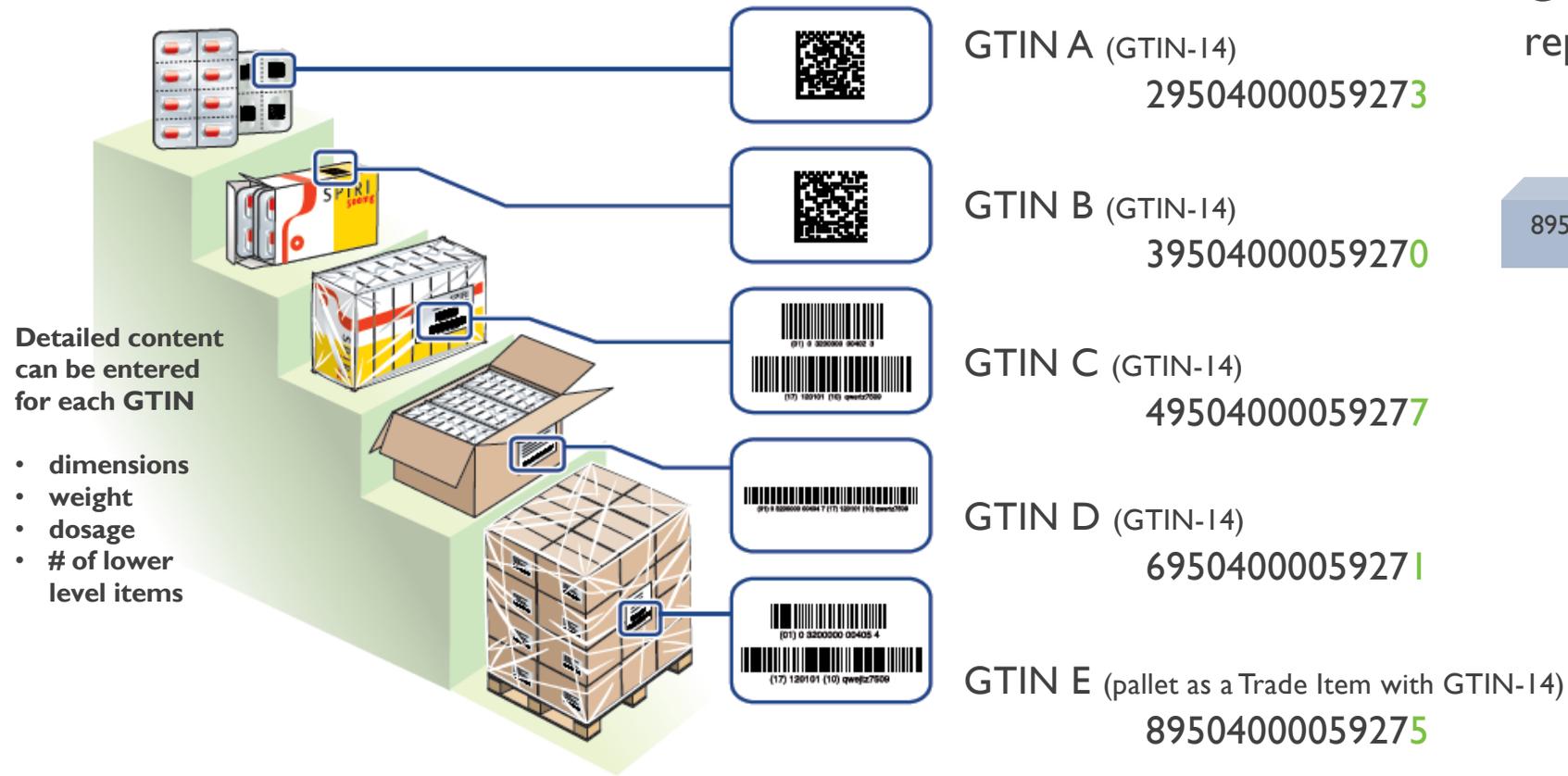
GTINS are linked together to represent a packaging hierarchy

89504000059275

24 | 69504000059271

10 | 49504000059277

7 | 39504000059270
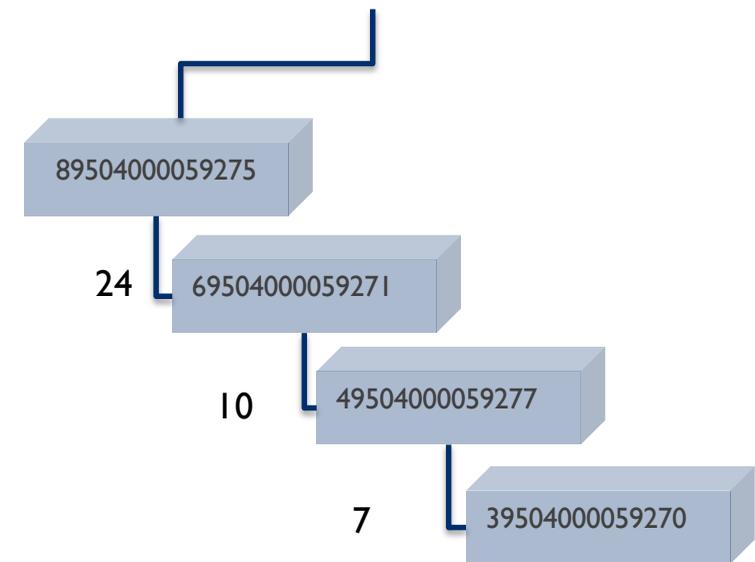
GHSC-PSM attribute guide overview

Product Information: Entering Information

1. The Attribute Guide

The attribute guide serves as a dictionary/reference to attributes that USAID GHSC-PSM needs to receive.

Attribute Guide Link
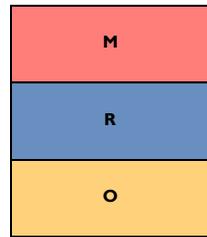
M	GDSN Mandatory Field
R	GHSC-PSM Required Field
O	GHSC-PSM Optional Field

2. Product Content Entry and Publication

Once you register with a data-pool service provider, you will have access to a platform where you can enter the specific GHSC-PSM attributes as data entry fields.

This information is securely stored on the data-pool and the information provider chooses who to send (publish) the entered information to.

Product Information Answers Vital Questions!

- **How can we identify your product?**
  - General Item Information
  - Product Description Information
  - Unit Indicators

- **How can we identify the vendor?**
  - Contact / Role Information
  - Additional Trade Item Identification

- **How does your product work?**
  - Warranty Information
  - Pharmaceutical Information
  - Ingredient Information
  - Links to Additional Information: Images, Video, Supplemental Documentation

- **How is your product Delivered?**
  - Hierarchy
  - Dimensions
  - Packaging Information
  - Pallet & Logistic Units
  - Storage, Handling & Shelf Life

- **What do I need to know to distribute your product locally?**
  - Classifications
  - Dangerous / Hazardous Goods Information
  - Market Authorization

Global Location Number (GLN)

Attribute Name	Attribute Definition
manufacturerGLN	The Global Location Number used to identify the organization that manufactures this trade item.
brandOwnerGLN	The Global Location Number used to identify the organization that owns the brand
informationProviderGLN	Populate this field with the GLN of the entity responsible for the validity of the item information entered.

- Global Location Number (GLN) represents business entities within the business process

  - Vendors could have the **same GLN for** informationProviderGLN, brandOwnerGLN manufacturerGLN.

  - Wholesaler Example – could have all different GLNs with wholesaler being the **Information Provider** and GTINs having different Brand Owner & Manufacturer GLNs

Additional Information: Code List & Target Market Use

- **Code List Standards**

  – Some Attributes will require entry of specific codes (dataCarrierTypeCode)

  – Codes help standardized content coming into GHSC-PSM (GS1_DATA_MATRIX)

    • All data-pools should provide you with a list of valid GDSN codes to communicate specific attributes.
    • Consult the GHSC-PSM Attribute Guide for Specifics

- **Target Market: D_A**

  – This is the code to be used when sending product information to GHSC-PSM

  – Global Location Number (GLN) of information provider, GTIN of the trade item, and the Target Market identifies a unique set of values for the trade items' attributes

    • If any one of the three (GLN, GTIN, Target Market) change you have a new GDSN entry
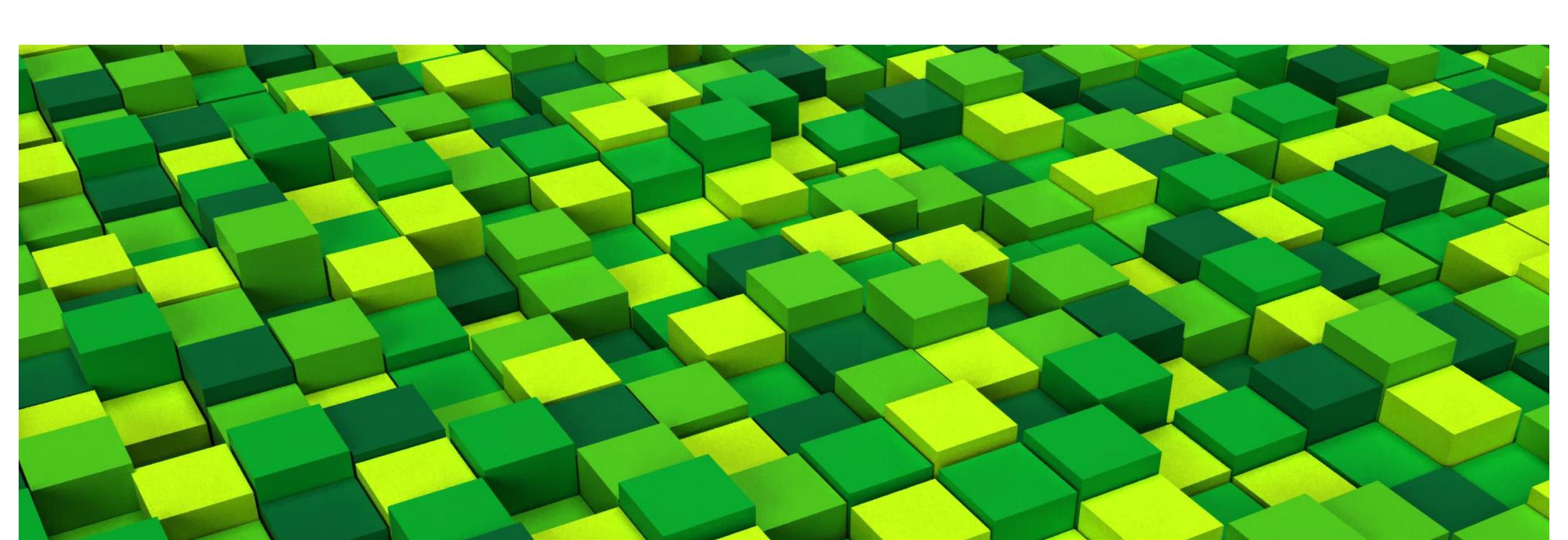
1WorldSync Solution

Data Load and Maintenance (DLM) offering for GHSC-PSM suppliers

Don't have time or resources for GDSN now?

- **Let us be your GDSN Team! Data Load and Maintenance**
- **We Load Content to GS1 and GHSC-PSM Specifications**
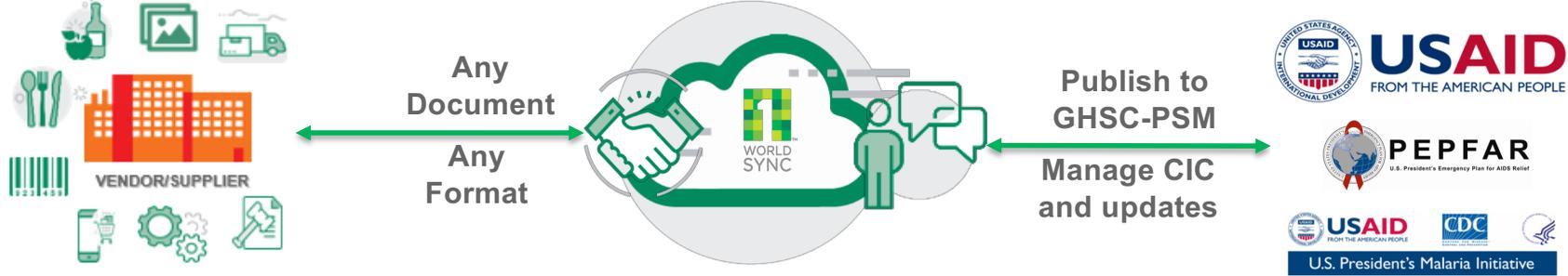
Speed: Reduces time of content to market

Savings: No need for training or hiring of new staff

Assurance: GS1 and Recipient based content compliance

Simplicity: Attach it to your reduced 1WorldSync GDSN offering

Easy to Add: Include this on your reduced GHSC-PSM subscription rate

For more information email: businessdevelopment@1worldsync.com

!Get Started Now!
March – June 2019

- Collect all your product content: Attribute Guide
- Register with a data-pool!
  - 1WorldSync has GHSC-PSM special offer for data pool access, which can be combined with Data Load and Maintenance (DLM) service

DEADLINE
30th December 2019

Resources

GS1 Resources

- For a list of all GDSN-certified data pool providers:

  - https://www.gs1.org/services/gdsn/certified-data-pools

- For a list of all GS1 Member Organizations:

  - https://www.gs1.org/contact/overview

- To learn more about GS1, including implementation of the GDSN, register to attend one of the upcoming GS1 Healthcare Conferences

  - March 26 – 28, 2019 in Noordwijk, Netherlands (Global)

  - September 17– 19, 2019 in Lagos, Nigeria (Africa Regional)

  - November 5 – 7, 2019 in New Delhi, India (Global)

  - For more information: https://www.gs1.org/healthcare/events

Q&A

GHSC-PSM Resources

- For more details on GHSC-PSM's requirement:

    – http://ghsupplychain.org/globalstandards

- GHSC-PSM's GDSN Landing Page:

    – http://www.1worldsync.com/customer-page/ghsc-psm/

- Key contacts:

    – GHSC-PSM Data Sync Team: datasync@ghsc-psm.org

1WorldSync Resources

- Website:

    – http://www.1worldsync.com/

- Key contacts:

    – businessdevelopment@1worldsync.com

    – +1-866-280-4013

THANK
YOU