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

**Data Quality & Load**
- Samuel Oh
  MIS Catalog Manager
- Andrew Godlewicz
  DQM Catalog Data Specialist
- Rachel Smith
  Supplier Engagement Analyst
- David Tedone
  Global Standards Specialist

**Supplier Engagement**
- Kaitlyn Roche
  Manager, Global Standards & Traceability
- TBA
  Data Management Technical Advisor
  Starting 11th March 2019

**Systems Strengthening**
- Dana Tatnell
  Global Standards Analyst
- TBA
  Traceability Technical Advisor
  Estimated March / April 2019

**Cross Cutting**
- Rachel Smith
  Supplier Engagement Analyst
- David Tedone
  Global Standards Specialist
- Kaitlyn Roche
  Manager, Global Standards & Traceability
- 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**
- 30 Dec 2018
- **Homogenous Trade Item**
- GS1 Data Matrix or GS1-128 barcode encoded with:
  - (01) GTIN
  - (10) Batch/lot
  - (17) Expiration Date

**Phase 2**
- 30 Dec 2019
- GTIN for each unit of measure
- **Trade Item**
- (416) GLN Sold-From
- (415) GLN Invoice-From
- (414) GLN Production
- **All item master data submitted through the GDSN**

**Phase 3**
- 30 June 2020
- **Trade Item**
- GS1 Data Matrix or GS1-128 barcode encoded with:
  - (01) GTIN
  - (10) Batch/lot
  - (17) Expiration Date

**Phase 4**
- 30 June 2022
- **Trade Item**
- GS1 Data Matrix also encoded with:
  - (21) Serial Number

**For more information on how to comply:** [www.1worldsync.com/customer-page/ghsc-psm](http://www.1worldsync.com/customer-page/ghsc-psm)

**For more information on our requirements:** [http://ghsupplychain.org/globalstandards](http://ghsupplychain.org/globalstandards)

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**Abbreviations:**
- **GTIN**: Global Trade Item Number
- **GLN**: Global Location Number
- **GDSN**: Global Data Synchronization Network
- **SSCC**: Serial Shipping Container Code
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) Secure connection established between supplier and recipient
2) Product content is shared (synchronized) and updated in real time
Synchronizing Your Product Information

**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

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.

4) Publish product content to GHSC-PSM GLN 0858939007009

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)
29504000059273

GTIN B (GTIN-14)
39504000059270

GTIN C (GTIN-14)
49504000059277

GTIN D (GTIN-14)
69504000059271

GTIN E (pallet as a Trade Item with GTIN-14)
89504000059275

GTINS are linked together to represent a packaging hierarchy

USAID Global Health Supply Chain Program
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

<table>
<thead>
<tr>
<th>M</th>
<th>GDSN Mandatory Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>GHSC-PSM Required Field</td>
</tr>
<tr>
<td>O</td>
<td>GHSC-PSM Optional Field</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Attribute Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>manufacturerGLN</td>
<td>The Global Location Number used to identify the organization that manufactures this trade item.</td>
</tr>
<tr>
<td>brandOwnerGLN</td>
<td>The Global Location Number used to identify the organization that owns the brand</td>
</tr>
<tr>
<td>informationProviderGLN</td>
<td>Populate this field with the GLN of the entity responsible for the validity of the item information entered.</td>
</tr>
</tbody>
</table>

- 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

I WorldSync Resources

• Website:
  – http://www.1worldsync.com/

• Key contacts:
  – businessdevelopment@1worldsync.com
  – +1-866-280-4013
THANK YOU