Connecting to the conference App!

Step 1: Flash the QR code on your badge or on this screen
Step 2: Look for GS1 in the search bar and click on the conference name
Step 3: Log in by typing in your name and your conference email address
Step 4: Type in the unique identification code
Step 5: You’re connected!
Join the conversation on social media!

Step 1: Follow GS1 Healthcare on LinkedIn and Twitter

Step 2: Share your daily conference mood, insights, photos or videos

Step 3: Make sure to use the official conference hashtag and join the conversation!

#GS1HC23
Don’t miss the opportunity to visit Instituto Dara’s booth located in the Foyer and discover more about their mission!
Speakers

Violet Ketani
Global Standards & Traceability Lead
USAID GHSC-PSM (USA)

Kaitlyn Roche
Data Visibility SME
USAID GHSC-PSM (USA)
Accelerating Traceability: Collaborating for Success in a Complex World

Wednesday, 4th October 2023
About GHSC-PSM

GLOBAL REACH

- 33 COUNTRY/REGIONAL OFFICES
- 3 REGIONAL DISTRIBUTION CENTERS

ON THE MOVE

- 22,339 SHIPPING LANES
- 4 INTERNATIONAL FREIGHT FORWARDERS
- 18 DELIVERIES every day
- 1,722 ITEMS in the product catalog
- $834 M PROCURED through local channels

ON TARGET

- 88% ON TIME DELIVERY in Q2, FY2023
- $136.8 M DELIVERED in Q2, FY2023
- $4.7 B of commodities DELIVERED
- $647.1 M COST SAVINGS* on commodities and $77.4 M on logistics

LOCAL FOOTPRINT

- 46 COUNTRIES received technical assistance
- 38.53% LINE ITEMS procured through local channels

* GHSC-PSM country office locations
Infrastructure development on the African continent has been shown to be and will continue to be a catalyst for traceability.

**Mobile Technology**
Africa is second largest mobile phone market in the world with 70 percent of Africans across the continent using mobile devices.

**Electrification & Connectivity**
Electrification surpass 50% and mobile broadband coverage exceeds 80% of the population.

**Innovation**
Private sector is delivering significant gains in financial inclusion and telemedicine through use of digital technology.
What the world looked like when we were in Dubai in 2016

The Global Language of Business

© Copyright GS1 AISBL, 2012-2023. All Rights Reserved.
What the world looks like from Brazil today

- Green = country accepts GS1 Standards
- Orange = country requires national ID #
- Pink = no input available

The Global Language of Business

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Looking beyond regulation
EVERY partner adopts ONE set of global standards to meet DIVERSE needs that form the COLLECTIVE vision for traceability.
Our team’s approach

What We Do

Global Data Strategy & Governance

Our Objectives

- Implement supply chain efficiencies
- Enable end-to-end data visibility
- Improve supply chain security
- Advance patient safety
GHSC-PSM Implementation of GS1 Standards

IDENTIFY
- Allocate and share GTINs for pharma, medical devices, sterile kits, reagents, and insecticidal nets.
- Allocate and share GLNs for manufacture-from, sold-from, and ship-from location(s).
- Proprietary identification requirements by donor
- GTINs/GLNs only implemented where required by export regulation or supplier custom
- Where GTINs and/or GLNs were implemented, they were not routinely shared or captured in ecosystem information systems

CAPTURE
- Label logistic units and/or trade items with GS1-128 and/or GS1 DataMatrix encoded with GTIN, Batch/Lot, Manufacturing Date, Expiry Date, Serial Number, and/or SSCC as applicable to pack type/level.
- Proprietary data carrier requirements by donor
- Limited standardized data carriers available on labeling, implemented according to export regulations or routine artwork
- No established standards for labelling on LLINs

SHARE
- Share product master data through GDSN
  - 17 mandatory attributes
  - 64 required attributes
  - 99 suggested attributes
- Negligible amount of data available for global health commodities through GDSN
- No widespread understanding of GDSN in global health community

Baseline (2017)
- Proprietary data carrier requirements by donor
- Limited standardized data carriers available on labeling, implemented according to export regulations or routine artwork
- No established standards for labelling on LLINs

USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM - Procurement and Supply Management
GS1 Standards Implementation in 2023

![Bar chart showing GS1 standards implementation for different categories: Pharmaceuticals, Medical Devices, Sterile Kits, and Laboratory Reagents, and LLINs. The chart indicates the percentage of implementation for Identify, Capture, and Share processes.]
### Gains & Progress in sub-Saharan Africa

<table>
<thead>
<tr>
<th>Active awareness and sensitization initiatives</th>
<th>National pharmaceutical traceability strategy drafted and/or signed</th>
<th>National policy or regulation passed or drafted for consultation</th>
<th>AIDC / master data activities under implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Burkina Faso</td>
<td>• Angola</td>
<td>• Ethiopia</td>
<td>• Benin</td>
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<td>• Cameroon</td>
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<td>• Zambia</td>
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<td>• Zimbabwe</td>
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</table>

*May not be exhaustive*
Country Implementation Framework

The “Why”

**Awareness and Advocacy**
Raise awareness of global standards and traceability and what it takes for implementation.

Vision and Strategy
Develop a declaration of the reason for implementing traceability, establish short-term and long-term objectives and goals, and identify what strategic initiatives need to be undertaken to launch the work.

Architecture
Develop data and system models to enable implementation of the stated vision.

Policy
Define and develop policies that enable implementation of the stated vision.

The “What”

The “How”

Implementation Plan
Use a management tool that details the critical steps, milestones, and resources required to execute on the strategy.
### For tools and templates to support each stage, visit: [http://ghsupplychain.org/globalstandards](http://ghsupplychain.org/globalstandards)

<table>
<thead>
<tr>
<th>The “Why”</th>
<th>Vision &amp; Strategy</th>
<th>Policy</th>
<th>Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education &amp; Awareness</td>
<td>National Pharmaceutical Traceability Vision and Strategy Development Reference Note</td>
<td>Model Regulation for Pharmaceutical Traceability</td>
<td>GS1 Supply Chain Information Systems Requirements</td>
</tr>
<tr>
<td>Business Case for the Implementation of Global Standards</td>
<td>Traceability Governance Terms of Reference Guidance and Template</td>
<td>Guideline for Identification and Labelling Specification Template and Guidance</td>
<td>Key Considerations for Centralized Traceability Approaches</td>
</tr>
<tr>
<td>Implementation Guidance for Pharmaceutical Traceability Leveraging GS1 Standards</td>
<td>Human Resources for Traceability Implementation</td>
<td>Global Standards in LLMICs: Policy Design Considerations to Address Domestic Manufacturer Needs</td>
<td>GS1 Data Discovery Framework</td>
</tr>
<tr>
<td>The “How”</td>
<td>Implementation</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Item &amp; Location Identification</td>
<td></td>
<td>Guidance on Collection of Product, Item, and Trade Item Master Data Hierarchies Leveraging GS1 Global Standards</td>
</tr>
<tr>
<td></td>
<td>Master Data Management</td>
<td></td>
<td>Product Master Data Management Reference Guide</td>
</tr>
<tr>
<td></td>
<td>AIDC</td>
<td></td>
<td>GS1-enabled AIDC Implementation Considerations”</td>
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**For tools and templates to support each stage, visit: [http://ghsupplychain.org/globalstandards](http://ghsupplychain.org/globalstandards)**
Regulations to enforce unique identification and labelling to enable traceability

- Assess **market readiness**

- Mitigate compliance, governance risks with appropriate **incentive structures**

- Plan for adoption with **transition measures**

- Initial focus on **identification & data capture**

- **Stakeholder consultations** for feedback

- **Signal** to the global community on upcoming national requirements
Robust master data management protocols as a foundational requirement for traceability

- Understand **critical data attributes** against use cases - *“less is more”*

- Discovery around current **data identification structures** and nomenclature

- Establish **MDM approach** either through NPC or WMS / ERP configurations

- Institutionalize **MDM governance**

- Practical **transition** plan with a plan for GTIN collection and management
A unified approach to tackle supply chain inefficiencies through automated data capture

- **Phased approach** to automation starting with core processes

- Plan for **exceptions management** prior to using automation

- Uphold **data integrity** – all activity depends on accurate, reliable data

- Deploy **appropriate technologies** leveraging lessons from other implementations.

- Plan for **governance and change management** from the start
**Informed ecosystems working towards a collective vision for traceability**

<table>
<thead>
<tr>
<th>Integrated Implementation Framework</th>
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<tbody>
<tr>
<td><strong>1</strong> Identify and focus on pain-points – start with the why!</td>
</tr>
<tr>
<td><strong>2</strong> Understand &amp; capitalize on market trends</td>
</tr>
<tr>
<td><strong>3</strong> Strategic communication &amp; engagement</td>
</tr>
<tr>
<td><strong>4</strong> Holistic implementation approach</td>
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<tr>
<td><strong>5</strong> Don’t rip &amp; replace; embrace and enhance</td>
</tr>
<tr>
<td><strong>6</strong> Resource mobilization across public &amp; private sectors</td>
</tr>
<tr>
<td><strong>7</strong> Country-driven ownership &amp; executive sponsorship</td>
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</tbody>
</table>

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<th>End-to-end ecosystem management</th>
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</thead>
<tbody>
<tr>
<td>Integrated, open and comprehensive solutions</td>
</tr>
<tr>
<td>Funding, governance, risk and compliance</td>
</tr>
</tbody>
</table>

**Relentless focus on the fundamentals**
Ubuntu
The USAID Global Health Supply Chain Program—Procurement and Supply Management (GHSC-PSM) project is funded under USAID Contract No. AID-OAA-I-15-0004. GHSC-PSM connects technical solutions and proven commercial processes to promote efficient and cost-effective health supply chains worldwide. Our goal is to ensure uninterrupted supplies of health commodities to save lives and create a healthier future for all. The project purchases and delivers health commodities, offers comprehensive technical assistance to strengthen national supply chain systems, and provides global supply chain leadership. For more information, visit ghsupplychain.org.

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