Supply Chain Data Standards in Humanitarian Work

GS1 Global Healthcare Conference
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Presentation Outline

- Background
- USAID and Donor Community Adoption of GS1 Standards
- GDSN Integration
- Global FP Visibility and Analytics Network
United States Agency for International Development (USAID)

USAID's global health programs have three strategic priorities:

• Preventing Child and Maternal Deaths
• Controlling the HIV/AIDS Epidemic
• Combating Infectious Diseases
USAID Supply Chain for Health Commodities

- Successful implementation of USG health programs, is dependent on an uninterrupted supply of health commodities.

- Since 2005, USAID has procured and delivered more than 4,300 different products (FP, Malaria, HIV) valued over $3 billion.

- USAID has provided more than $800 million in strengthening supply chain systems in more than 50 countries.
G2  Problem statement and statement on procurement volume.
GHFP, 3/28/2017
The Challenge

- Poor data visibility because items and products are identified in non-standard ways
  - Proprietary identification numbers that are reassigned at various points in the supply chain
  - Identification inconsistent across procurement agencies and supply chain stakeholders through to the end user
- Lack of standardization in processes and operations because of inconsistent packaging labels
  - Multiple barcodes
  - Different types of barcodes
  - No barcodes

...which results in limited data visibility and risk to supply chain security
Goals through adoption of global standards

• To identify and implement supply chain efficiencies
• Enable end-to-end data visibility across multiple supply chains
• To ensure supply chain security
• To increase patient safety
Reproductive Health Global Traceability Advisory Group (RH GTAG)

- A forum for subject matter experts from industry and the public sector to discuss and provide recommendations for the adoption and implementation of global standards for RH product identification, data capture, and data exchange in the supply chain.
- Recommendations were finalized and distributed in April 2017.
USAID Technical Directive

In April 2017, USAID issued a Technical Directive to the Global Health Supply Chain (GHSC) Procurement and Supply Management (PSM) Project to establish a strategic approach for the adoption of global standards for product identification, data capture, and data sharing for procurement and supply chain assistance.

USAID Technical Directive

April 25, 2017

TECHNICAL DIRECTION MEMORANDUM (TDM) 2017-03

TO: Anthony Savelli, Project Director, GHSC-PSM
FROM: Lindagaya Gutierrez, COR, GHSL/PSM /S/
Sheri Mowery, COR, GHSL/PSM /S/
Carmen Tull, COR, GHSL/PSM /S/
John Vivolo, COR, GHSL/PSM /S/

SUBJECT: Technical Direction Memo (TDM) Establishment of a strategic approach for the adoption of global standards for product identification


Background

To improve the safety and efficiency of supply chains in the countries in which it supports, and to improve the traceability of USAID-funded commodities, USAID is implementing a strategic vision for adoption of global standards for supply chain. To advance this, USAID expects GHSC-PSM to implement a strategic and coordinated approach to adoption of global standards, namely GS1 healthcare standards, for product identification, data capture and data sharing across its global and in-country activities. This includes utilizing barcode technology in its supply chain and enabling its usage by national supply chains.

In January 2017, GHSC-PSM concluded a consultancy with RC Partners focused on adoption of global standards under the project. By May 25, 2017, GHSC-PSM shall submit to USAID a detailed plan for implementation of global standards for product identification and data capture to achieve the minimum targets set by each TO. This strategic plan shall detail milestones, risks, and resource requirements.

Technical Directions

Below are the targets that have been established for TO3. The targets for the remaining task orders will be provided in a later communication from the task order COR. The targets and objectives of this TDM are to focus on product identification and labeling. Further guidance will be provided on data sharing.

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GHSC-PSM Procurement Requirement

- In May 2017, as a result of USAID Technical Directive Memo, GHSC-PSM issued an announcement of their intention to implement GS1 global standards for USAID procured health commodities.

- PSM developed a five year (2017 - 2022) implementation strategy that phases requirements for identification, labelling, and data exchange.
Announcement during Family Planning Summit – July 2017

- On July 11, policymakers, donors, and advocates from around the world gathered at the Family Planning Summit in London, UK, to discuss efforts to reach our Family Planning 2020 goals and ensure that more women and girls around the world are able to plan their families and their futures.

- Adoption of global data standards (GS1) was listed as one of the group initiatives for supply chain strengthening.

Adoption of GS1 Global Standards

The adoption of global standards for product identification and for the capture and exchange of supply chain data is a key enabler of the global and in-country VANs. More widely, standards-driven interoperability between different information systems is critical to facilitate coordination between the various supply chain systems that provide family planning commodities. Data standards also help to ensure patient safety (through product traceability from manufacture to use) and lower supply chain costs (through driving efficiencies). USAID and UNFPA have worked over the past year with contraceptive manufacturers to develop a roadmap and timeline for the adoption of GS1 standards (the leading standards in the healthcare industry) in labeling contraceptive products.
The ISG is an informal partnership of 15 major actors involved in providing supply chain support to countries: Bill and Melinda Gates Foundation, DFID, Global Affairs Canada, the Global Drug Facility, KfW, the Global Fund, Gavi, NORAD, UNDP, UNFPA, UNICEF, USAID, World Bank, WFP and WHO.

In August 2017, ISG published a position paper on the adoption of GS1 standards. The ISG has committed to the process of transitioning to include established, global data standards as part of their procurement requirements and support country uptake of these standards.

Interagency Supply Chain Group (ISG) Position Paper – August 2017
GHSC-PSM’s strategy leverages GDSN for Master Data exchange

1. Supplier registers with GS1 and obtains a prefix
2. Supplier assigns GTINs to its products
3. Supplier registers with a GDSN data pool provider
4. Supplier provides product attributes based on GHSC-PSM’s Attribute Guide through their GDSN Data Pool
**ARTMIS-GDSN Integration Timeline**

- GHSC-PSM’s Data Pool Provider is 1WorldSync.
- Implementation started in July 2017 and the integration will Go Live in November.
- Supplier engagement will begin shortly after, prioritizing suppliers by spend.

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<thead>
<tr>
<th>Phase</th>
<th>Start</th>
<th>End</th>
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<tbody>
<tr>
<td>Discovery / GDSN Training</td>
<td>17 Jul 2017</td>
<td>04 Aug 2017</td>
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<tr>
<td>Requirements &amp; Design</td>
<td>07 Aug 2017</td>
<td>01 Sep 2017</td>
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<tr>
<td>Infrastructure (software, server setup)</td>
<td>07 Aug 2017</td>
<td>01 Sep 2017</td>
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<tr>
<td>Development</td>
<td>04 Sep 2017</td>
<td>29 Sep 2017</td>
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<td>System Testing</td>
<td>02 Oct 2017</td>
<td>20 Oct 2017</td>
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<td>Integration Testing with 1WorldSync</td>
<td>23 Oct 2017</td>
<td>03 Nov 2017</td>
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<tr>
<td>PROD deployment</td>
<td>06 Nov 2017</td>
<td>10 Nov 2017</td>
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<tr>
<td>Go Live</td>
<td>13 Nov 2017</td>
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ARTMIS-GDSN Integration Model
A Global Visibility and Analytics Networks (VAN) is a virtual collaborative space where teams use the same data to make supply chain decisions.

But it’s not just about the Tech!!

Policy
Tech
People
Process

Global Visibility & Analytics Networks

CENTRALIZED SUPPLY CHAIN DECISION-MAKING

Analytics Engines

E2E Supply Chain Data Integration
Global Family Planning (FP) Visibility & Analytics Network (VAN)

RHSC with BMGF, UNFPA, USAID, DFID are currently developing a Global FP VAN to enable end to end supply chain data visibility and for donors to collaborate to make supply chain decisions.

Coordinated data sharing, governance & standards