TITLE: THE GS1 TRACEABILITY STANDARD

SESSION3: Overview of Available Tools and Technologies (Food Processor / Retailer)

OIE International Conference on Animal Identification and Traceability

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TRACEABILITY: matching information flow with physical flow

Information Flow

Product Flow
TRACEABILITY: matching information flow with physical flow
In the whole supply chain

- Farmer
- Upstream supplier
- Supplier
- Warehouse
- Carrier
- Distribution
- Point of sale

TRACKING
TRACING
(what, where, when, what/how)

Find the history of a product from any point
<table>
<thead>
<tr>
<th><strong>GTS - GS1 Global Traceability Standard</strong></th>
<th><strong>GS1 Implementation Guidelines &amp; Support</strong></th>
<th><strong>GTC - GS1 Global Traceability Conformance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The GS1 Global Traceability Standard (GTS) provides a powerful tool for implementing traceability in the supply chain based on the GS1 System of standards and best practices.</td>
<td>Wide variety of publication to help the community to understand and implement traceability. Industry specific Implementation Guideline, Cases Studies, and other educational publications.</td>
<td>Methodology, technical criteria and technical documents to assess Traceability Systems based on GTS. Complies with ISO 22005:2007 and ISO 19011:2002</td>
</tr>
</tbody>
</table>
GS1 Global Traceability Standard - GTS
GS1 Global Traceability Standard

- It is a **framework** that defines minimum traceability system requirements for companies of all sizes across industry sectors.
- Details the corresponding GS1 standards used within information management tools.
- Meets the **core legislative and business need** to cost-efficiently trace back (one step down) and track forward (one step up) at any point along the entire length of the supply chain.
- Describes the creation of **accurate records of transactions**.
- Provides for **fast data communication** about the traceable item between trading partners.
GS1 Global Traceability Standard

- Existing business practices,
- Common language,
- Broad-based
- Global approach,
- Flexible,
- Thorough,
- Establishing an open, global relationship between independent partners.

- It is not a standard for internal traceability
- It is not a law or regulation,
- It is not a replacement for a service provider,
- It is not a replacement for safety or quality programmes.
GS1 Global Traceability Conformance - GTC
How?

Ensure the right Traceability implementation, according to the industry standard, in the global supply chain.

GS1 GLOBAL TRACEABILITY CONFORMANCE
What is the GTC?

It is a Programme developed to review Traceability Systems through:

- Methodology, technical criteria and technical documents
- Based on the GS1 Traceability Standard (GTS)
- Optional: additional requirements (BRC, SQF, IFS, HACCP…)

Used for:

- Self-assessment
- Audit by GS1 MOs
- Audit by third parties with agreement with MOs
- Possibility of GS1 Seal
What’s in it for a company?

• Facilitate GTS adoption

• Assure to the market that has the right implementation of traceability system that:
  ✓ has a Minimum Traceability level for every actor of the chain;
  ✓ can be recognized by an international independent party;
  ✓ address the main international traceability regulations, standards bodies and commercial requirements: WCO, IFS, ISO, Food laws ….
  ✓ Benchmark the traceability between trade partners
GS1 Implementation Guidelines & Support
GS1: A global system of standards

GS1 designs and implements a global system of supply chain standards

GS1 standards provide a framework that allows products, services, and information about them to move efficiently and securely for the benefit of businesses and the improvement of people’s lives, everyday, everywhere

GS1 System is global, user driven, open, multi-sectorial and for voluntary use.
Global reach, local presence

108 Member Organizations.
150 countries served.
2,000 people helping us.
GS1: Bringing companies together

GS1 brings together companies representing all parts of the supply chain

Manufacturers, distributors, retailers, hospitals, transporters, customs organisations, software developers, local and international regulatory authorities, and more work together under our leadership to create standards
Our four key STANDARDS areas

- **Global standards for automatic identification**
  Rapid and accurate item, asset or location identification

- **Global standards for electronic business messaging**
  Rapid, efficient & accurate business data exchange

- **The network for global data synchronisation**
  Standardised, reliable data for effective business transactions

- **Global standards for RFID-based identification**
  More accurate, immediate and cost effective visibility of information
Meeting needs in many sectors

- Fast moving consumer goods
- Fresh foods
- Healthcare
- Customs, transport & logistics
# GS1 Implementation Guidelines

For instance for Beef Traceability with respect to EU Reg. 1760/2000

<table>
<thead>
<tr>
<th>SLAUGHTERING</th>
<th>CUTTING</th>
<th>SELLING</th>
<th>CONSUMING</th>
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<tbody>
<tr>
<td>GS1 Carrier:</td>
<td>GS1 Carrier:</td>
<td>GS1 Carrier:</td>
<td>GS1 Carrier:</td>
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<tr>
<td><strong>not defined</strong></td>
<td><strong>GS1-128</strong></td>
<td><strong>GS1-128</strong></td>
<td><strong>EAN-13</strong></td>
</tr>
<tr>
<td>Valid passport or health certificate</td>
<td>EANCOM® / GS1 128:</td>
<td>EANCOM® / GS1 128:</td>
<td>Only an GTIN-13 Item-Code which is the key to the product database during scanning at the till.</td>
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<td>Ear tag number</td>
<td>AI 01 EAN Article-No.</td>
<td>AI 01 GS1 Article-No.</td>
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<td>AI 251 Ear tag-No.</td>
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<td>Al 7031-39 Approval No. of Cutting halls</td>
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Answers needed to new questions

Where does the food your family eats come from? How did it get to your supermarket? What route did it take to get there?

The answers lie in traceability applications and systems, which need to know everything that happens, at every step of the way, from the farm to your kitchen table. GS1 standards can make these systems possible.
For more information:

www.gs1.org
www.gs1brasil.org.br
Thank You!

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