



# Webinar 2: Good Practices for Implementing AIDC

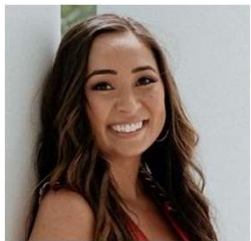
TraceNet

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## Today's Presenters



**Tori Ghine**

Global Standards Analyst

GHSC-PSM

[vghine@ghsc-psm.org](mailto:vghine@ghsc-psm.org)



**Nuran Idris**

Healthcare Manager, Africa

GS1 Global Office

[nuran.idris@gs1.org](mailto:nuran.idris@gs1.org)



**Yosry el Eshraky**

Supply Chain Team & Project Lead

IDA Foundation

[yeleshraky@idafoundation.org](mailto:yeleshraky@idafoundation.org)



**Neil Piper**

Senior Manager, Automatic Identification & Data Capture

GS1 Global Office

[neil.piper@gs1.org](mailto:neil.piper@gs1.org)



## Today's Attendees

- Brand Owners/Manufacturers
- Global Fund and their procurement agent IDA Foundation
- USAID and their procurement agent GHSC-PSM
- GS1 Global Office & GS1 Member Organizations (MOs)

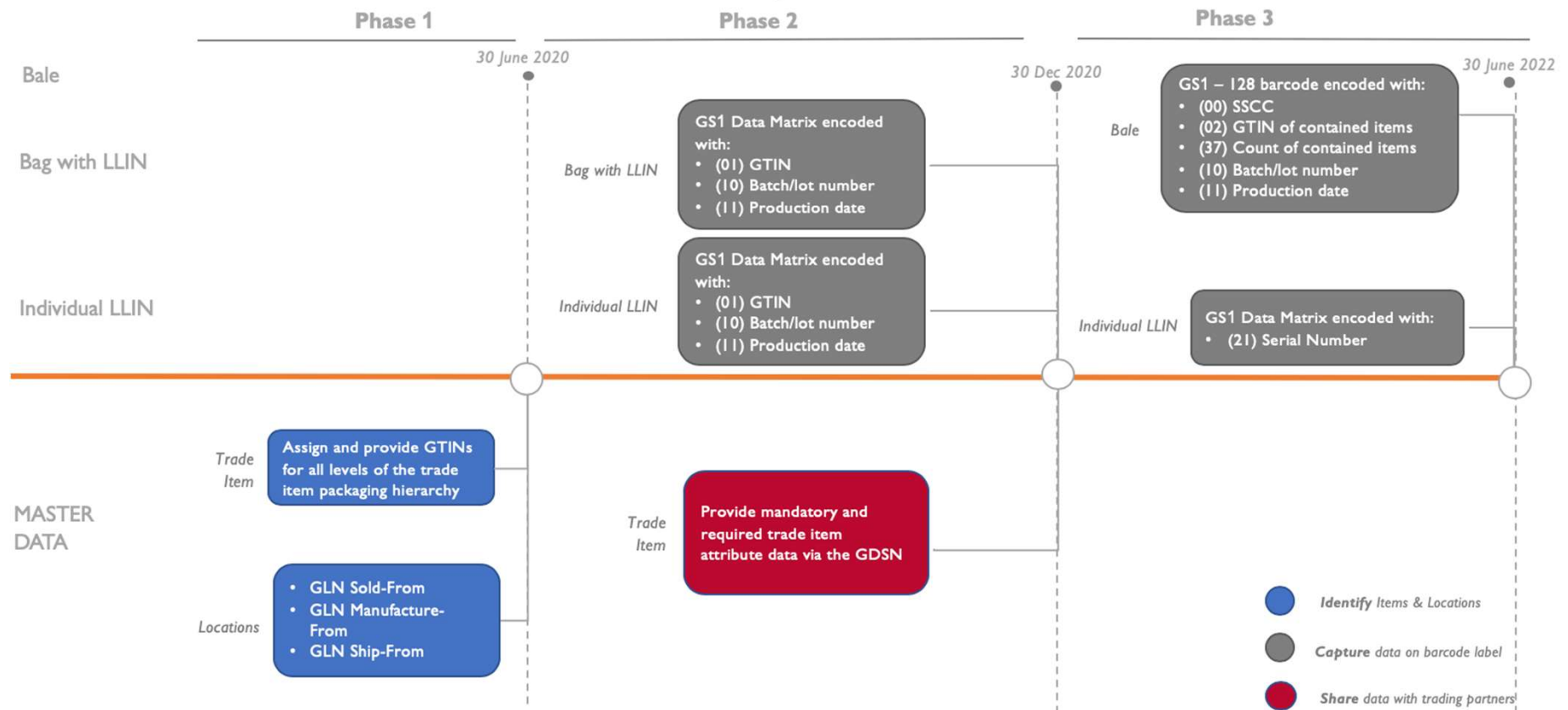


# Agenda

- — Review the Standardization Roadmap for LLINs
- — Capture Phase Overview
- — Automatic Identification & Data Capture (AIDC)
- — Questions, Upcoming Webinars, Contact Information



# Overview of the Standardization Roadmap for LLINs







## Phase 2 – Capture



Identify

### GS1 Identification Numbers

- Company**
  - Global GS1 Company Prefix
  - Global Location Number (GLN)
- Product**
  - Global Trade Item Number\* (GTIN\*)
  - Serialized Global Trade Item Number (EPC\*/SGTIN)
- Location**
  - Global Location Number (GLN)
- Logistics**
  - Serial Shipping Container Code (SSCC)
  - Global Shipment Identification Number (GSIN)
- Assets**
  - Global Individual Asset Identifier (GIAI)
  - Global Returnable Asset Identifier (GRAI)
- Services and Other**
  - Global Service Relation Number (GSRN)
  - Global Document Type Identifier (GDTI)



Capture

### GS1 Data Carriers

#### Barcodes

EAN\*/UPC



GS1 DataBar\*



ITF-14



GS1 DataMatrix



GS1-128



#### EPC-Enabled RFID Tags

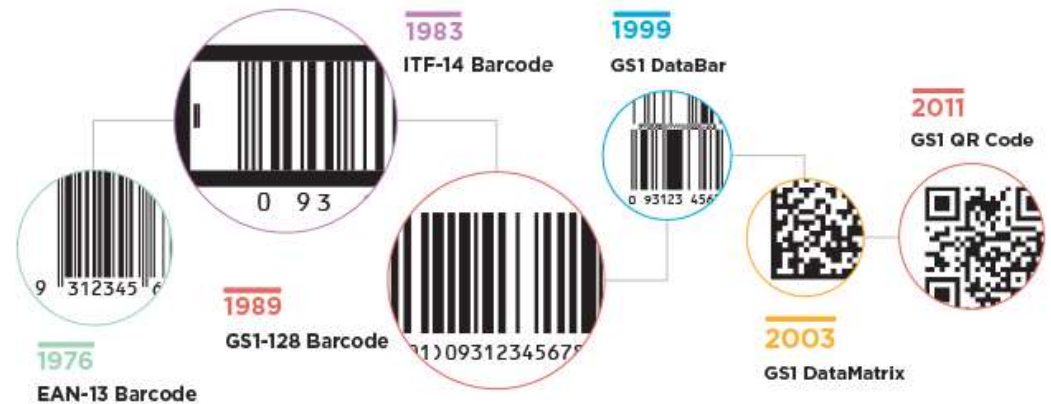
Electronic Product Code (EPC) RFID Encodings



Share

### GS1 Data Exchange

- Master Data**
  - Global Data Synchronization Network™ (GDSN\*)
  - GS1 US Data Hub\* | Location
- Transactional Data**
  - Electronic Data Interchange (EDI)
- Physical Event Data**
  - Electronic Product Code Information Services (EPCIS)





## Phase 2 – Why Capture?

- GS1 data capture standards include definitions that allow GS1 Identification Keys and supplementary data to be affixed directly to a physical object
- GS1 standards specify consistent interfaces to readers, printers, and other hardware and software components that connect the data carriers to business applications
- Barcodes play a key role in supply chains, enabling parties like retailers, manufacturers, transport providers and hospitals to automatically identify and track products as they move through the supply chain.



# Automatic Identification & Data Capture (AIDC)

## What it is:

Methods of automatically identifying objects, collecting data about them and entering that data directly into computer systems **(without human involvement)**. – Wikipedia 2009







## GS1 Data Carriers

- Different types of data carriers for different sectors
- In healthcare, the **GS1 DataMatrix** is recommended



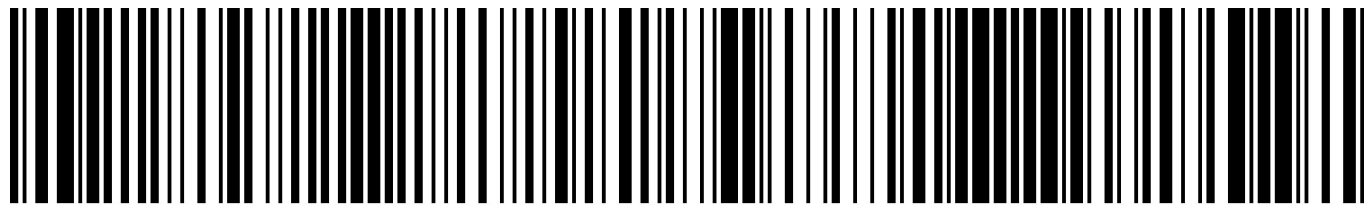
Selecting the data carrier is dependent on the product and its use in the supply chain.

Per Tracenet recommendations, both the GS1 DataMatrix and the GS1-128 can be used.



## Sample Data that can be Captured in a GS1 Barcode

GS1-128 Barcode



(02) 0 9501101 53000 3 (11) 200629 (10) ABC123 (37) 1234

GTIN (Contained items)

GTIN-14

Production  
Date

Batch/Lot Number

Count of contained items

Serial Number

GS1 DataMatrix Barcode



(01) 0 9501101 53000 3

(11) 200629

(10) ABC123

(21) 12345ABCDE



## Human Readable Interpretation (HRI)

- Characters, such as letters and numbers, which can be read by persons and are encoded in GS1 AIDC data carriers confined to a GS1 standard structure and format. The Human Readable Interpretation is a one-to-one illustration of the encoded data.

### An Illustration

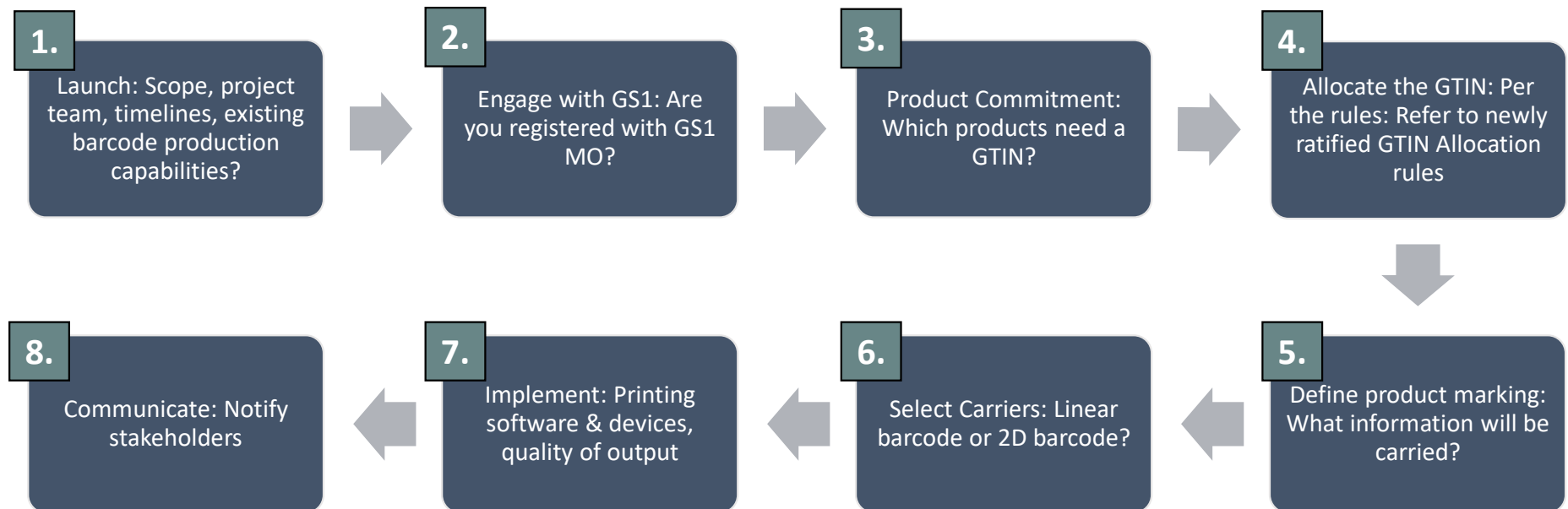
(01) – GTIN  
(11) – Production Date  
(10) – Batch/Lot number  
(21) – Serial Number



(01) 0 9501101 53000 3  
(11) 200629  
(10) ABC123  
(21) 12345ABCDE



## How will you implement AIDC?






# What this looks like for LLINs

## 1. Net

- GS1 Datamatrix
- (01) GTIN
- (10) Batch/Lot Number
- (11) Production Date
- *Eventually (21) Serial Number*



  
(01) 0 9501101 53000 3  
(11) 200629  
(10) ABC123  
(21) 12345ABCDE

## 2. Bag

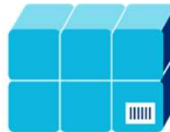
- GS1 Datamatrix
- (01) GTIN
- (10) Batch/Lot Number
- (11) Production Date



  
(01) 0 9501101 53000 3  
(11) 200629  
(10) ABC123

## 3. Bale

- GS1 – 128 Barcode
- (02) GTIN of Contained Items
- (37) Count of Contained Items
- (10) Batch/Lot Number
- (11) Production Date



  
(02) 0 9501101 53000 3 (11) 200629 (10) ABC123 (37) 1234



## Additional Resources

- [AIDC Healthcare Implementation Guideline](#)
- [General Specifications](#)
- [GTIN Allocation Rules](#)
- [TraceNet Recommendations](#)





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# Questions?





## Upcoming Webinars

Webinar 3 and 4: Introduction to GDSN & Good Practices for GDSN

Synchronization – **September 9<sup>th</sup>, 2020**



## Contact Us

Please reach out if you have any questions or concerns!

*All Global Fund Suppliers reach out to Yosry el Eshraky at [yeleshraky@idafoundation.org](mailto:yeleshraky@idafoundation.org)*

*All USAID/GHSC-PSM Suppliers reach out to Tori Ghine at [vghine@ghsc-psm.org](mailto:vghine@ghsc-psm.org)*

*All questions for GS1 please reach out to Nuran Idris at [nuran.idris@gs1.org](mailto:nuran.idris@gs1.org)*