

Phase 5 Webinar – GHSC-PSM’s Adoption of The Standardized Logistic Unit Label



Meet the presenters

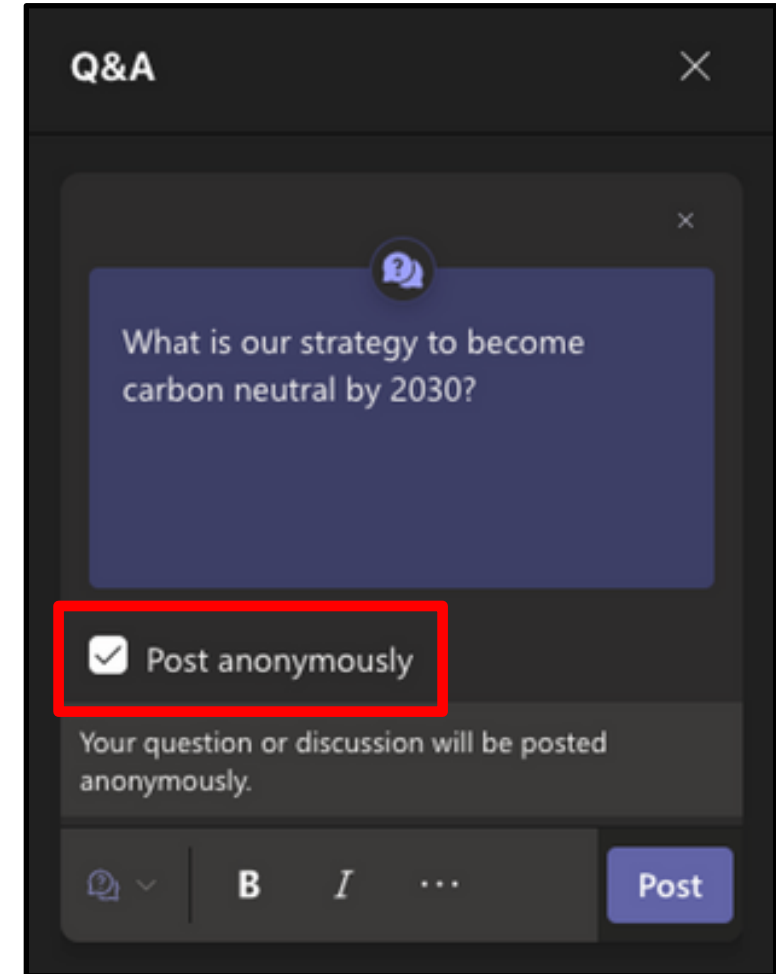
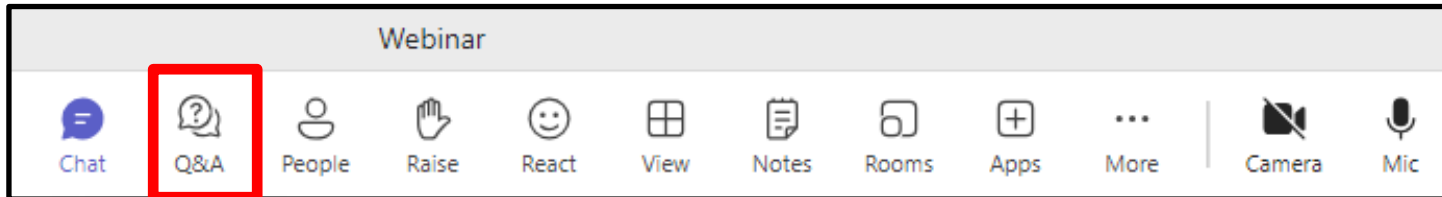


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Teams Webinar use



Objective

Our objective is to discuss an upcoming requirement for standardized **logistic unit labels** in the joint Technical Implementation Guideline and GHSC-PSM’s implementation of this label.

Agency	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
GDF / Stop TB	30 Dec 2019	30 Dec 2019	30 Jun 2020	30 Jun 2022	Voluntary but preferred
UNDP	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred
UNFPA	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred	Voluntary but preferred
USAID	30 Dec 2018	30 Dec 2019	30 Jun 2020	30 Jun 2022	30 Dec 2024





Agenda

What is a logistic unit?

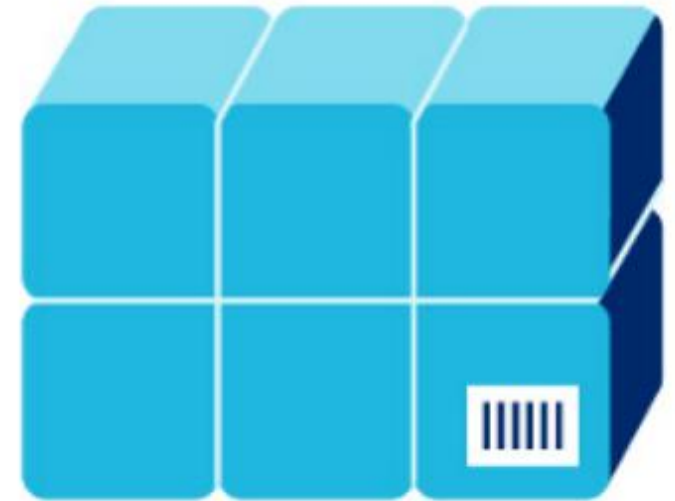
The uses of a standardized label

Demand-side data capture

What is required on the label

Timeline and next steps

What is a logistic unit?



Which products does this affect?



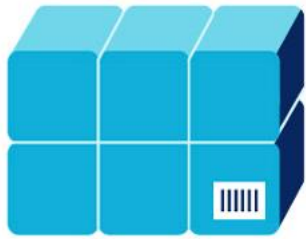
This requirement applies to:

- Pharmaceuticals
- Medical Devices
- Sterile Kits
- Laboratory Reagents

All procured under a long-term contract

LLIN Logistic Label Overview

Similar logistic label requirement already in place and implemented by manufacturers



TERIARY PACK LOGISTICS UNIT (BALE)¹

GS1-128 barcode symbology encoded with and printed as HRI:
 (00) SSCC
 (02) GTIN of contained items
 (37) Count of contained items
 (10) Batch/lot number
 (11) Production date

[Brand Name] Long Lasting Insecticide Nets	
Manufactured by: Factory XYZ Address Address	Manufactured for: National Malaria Control Program Address Address
SSCC 006141411234567890	GTIN 10857674002017
Batch Number NYFUL01	Production Date 201231
GLN From 0858939248292	GLN To 0858939007009
Count 50	Sequence 3 of 250

Uses of standardized logistic unit label

Support downstream use

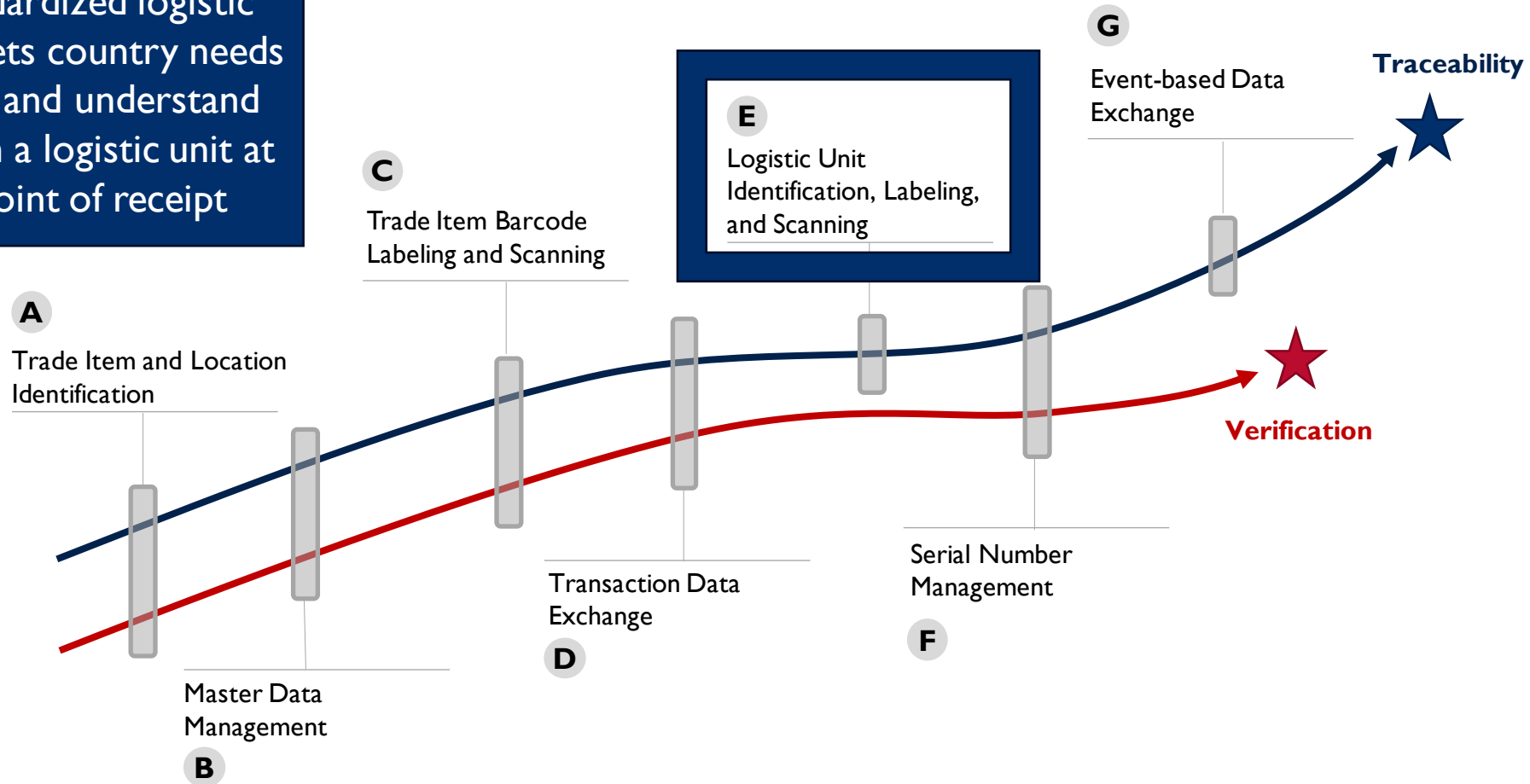
- A standardized logistic unit label allows downstream partners to use logistic units in AIDC activities without breaking down units

Support global operations

- A standardized logistic unit label supports operational use in operations such as receiving and logistics to achieve goals such as time reduction, cost saving, and product verification

Uses of standardized logistic unit label

A standardized logistic label meets country needs to scan and understand what's in a logistic unit at the point of receipt



Logistic unit label as a part of demand-side data capture

EDI

- robust, high-tech systems and environments
- full data set, completely automated

ePackingList

- lower tech, hybrid systems and environments
- same data set, partially automated

Standardized Logistic Unit Label

- low-tech systems and environments
- small data set, automated via scanning

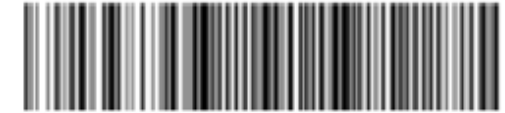
Examples of Non-Standardized LU Labels



Order Code: MUC-ER- 1234567	Items: 1 / 4
Order Id: 12345678	
Customer Ref: DE56785	Wgt: 146 kg

FR - LYS (771 / TN50)

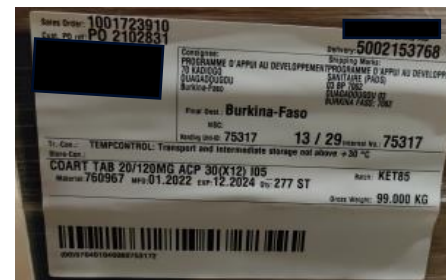
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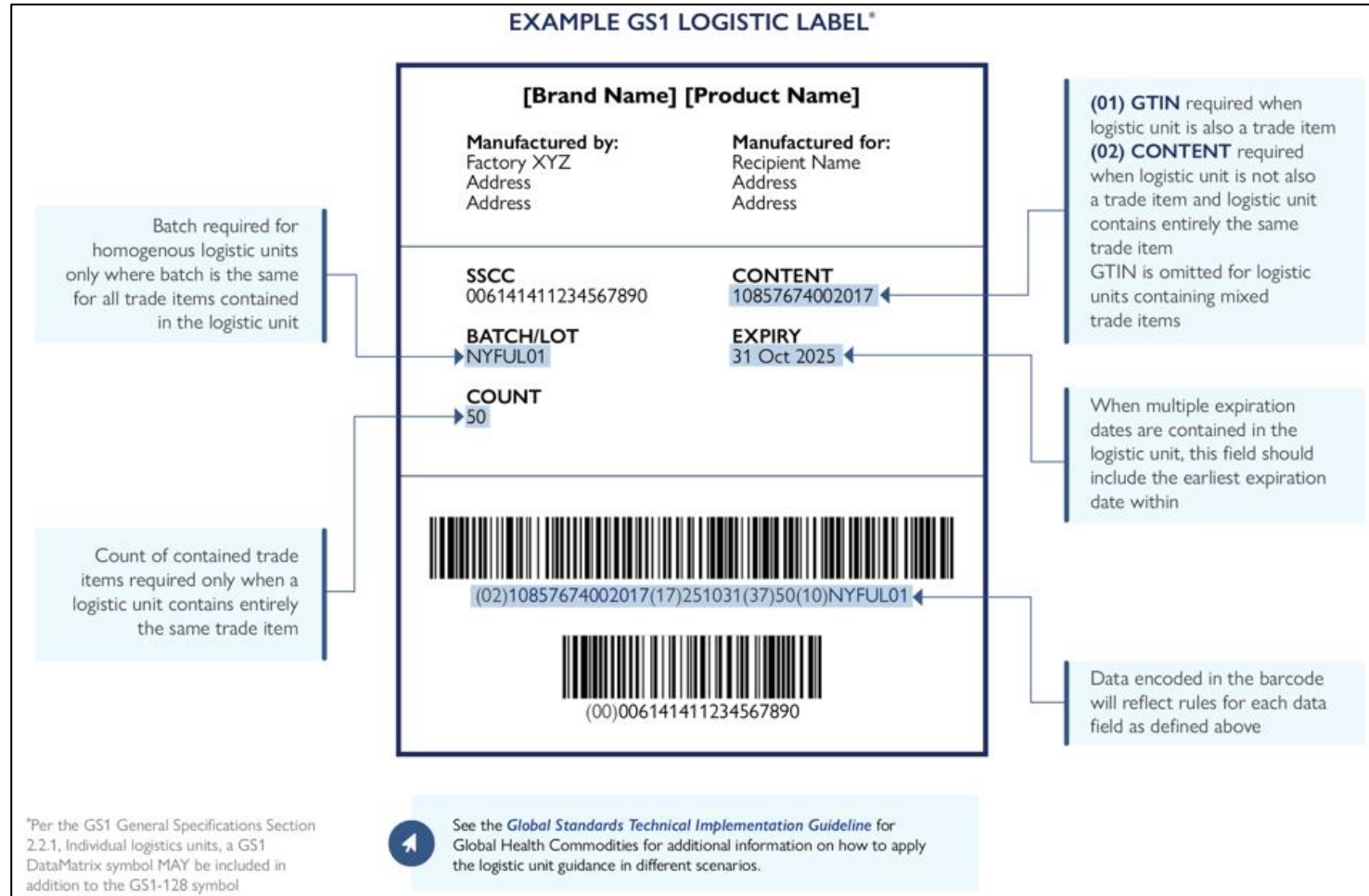
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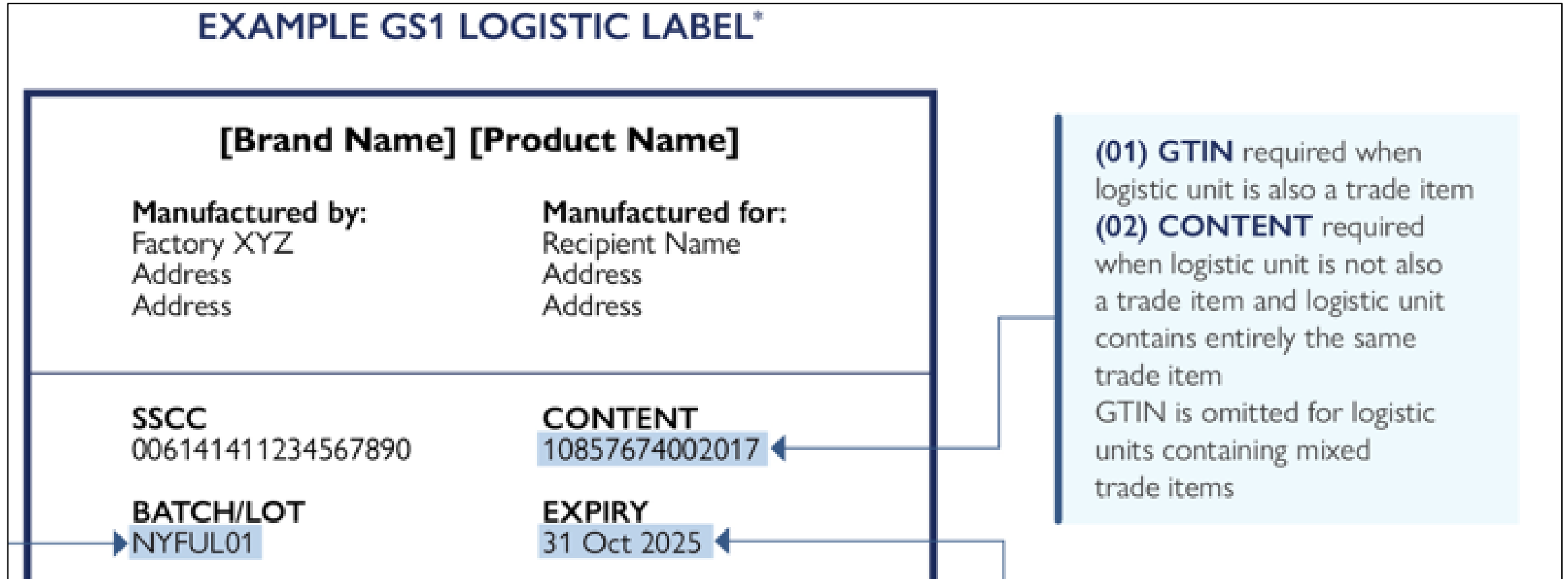
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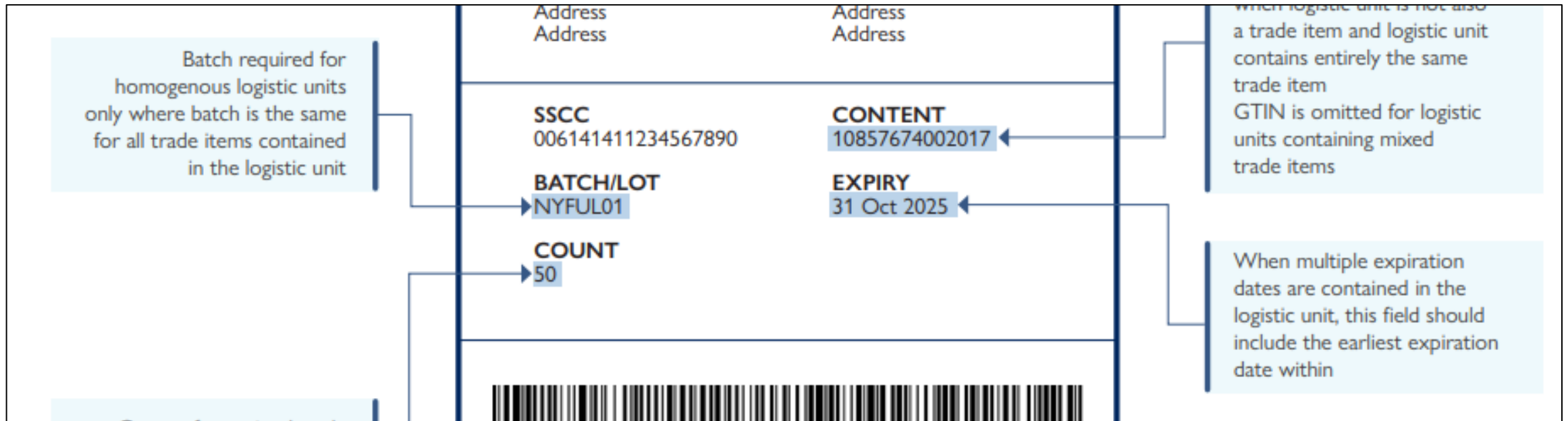
What is required on the standardized logistic label?



What is required on the standardized logistic label?



What is required on the standardized logistic label?



What is required on the standardized logistic label?



What is required on the logistic label?

Logistic Unit Scenario	Data written in HRI and encoded in data carrier(s)
A homogenous logistic unit, for example, a pallet or case that includes only one trade item, for example, a piece of medical equipment.	<ul style="list-style-type: none"> • (00) SSCC • (01) GTIN • (10) Batch/Lot • (17) Expiration date
A homogenous logistic unit, for example, a pallet that consists entirely of the same trade item with the same batch/lot number and expiration date.	<ul style="list-style-type: none"> • (00) SSCC • (02) GTIN of contained trade items • (10) Batch/Lot • (17) Expiration date • (37) Count of contained trade items
A homogenous logistic unit that is also a trade item, for example, a pallet that is an orderable unit and that contains one or more other trade items with the same batch/lot number and expiration date.	<ul style="list-style-type: none"> • (00) SSCC • (01) GTIN • (10) Batch/Lot • (17) Expiration date
A heterogeneous logistic unit, for example, a pallet that consists entirely of the same trade item, but with different batch/lot numbers and/or expiration date.	<ul style="list-style-type: none"> • (00) SSCC • (02) GTIN of contained trade items • (17) Expiration date • (37) Count of contained trade items
A heterogeneous logistic unit, for example, a pallet that consists of different trade items.	<ul style="list-style-type: none"> • (00) SSCC

Serial Shipping Container Code (SSCC) 101

What is an SSCC?

- An identification key used to uniquely identify a logistic unit.

How is an SSCC different from a GTIN?

- An SSCC acts as a license plate to track a logistic unit through the supply chain.
- A GTIN uniquely identifies trade items (products and services).

Who generates an SSCC?

- The organization creating the logistic unit uses its own GSI company prefix to generate the SSCC.

SSCC reuse rules

- The SSCC must remain unique and not be reallocated for a minimum of one year from the shipment date of the logistic unit from the SSCC assignor to the trading partner.

Serial Shipping Container Code (SSCC) Formatting

GS1 Application Identifier	Serial Shipping Container Code (SSCC)			
	Extension digit	GS1 Company Prefix →		Serial Reference ←
0 0	N ₁	N ₂ N ₃ N ₄ N ₅ N ₆ N ₇ N ₈	N ₉ N ₁₀ N ₁₁ N ₁₂ N ₁₃ N ₁₄ N ₁₅ N ₁₆ N ₁₇	N ₁₈

Extension Digit	The Extension Digit can have any value from 0 to 9 and is used to increase the numbering capacity. Its use is at the discretion of the company allocating the SSCC.
GS1 Company Prefix (GCP)	The GCP is allocated by GS1 Member Organizations to the company that allocates the SSCC – here the physical builder or the brand owner of the logistic unit. It makes the SSCC unique worldwide but does not identify the origin of the unit. The length of a GS1 Company Prefix depends on each GS1 Member Organization's policy on number allocation.
Serial Reference	The Serial Reference is a serial number created by the company allocating the SSCC. The simplest way to allocate the serial number is sequentially, for example ...00000, ...00001, ...00002.
Check Digit	The Check Digit is calculated using the algorithm defined by GS1. [GENSPECS, 7.9.1], also see [CHECK] for a calculator

Application Identifier (AI) Definitions

GSI Application Identifiers (AIs) are prefixes used in barcodes and EPC/RFID-tags to define the meaning and format of data attributes.

(00) Serial Shipping Container Code (SSCC)

(01) Global Trade Item Number (GTIN)

(02) GTIN of contained trade items (Content)

(10) Batch or lot number

(17) Expiration date (YYMMDD)

(37) Count of contained trade items (Count)

Requirements for information sharing



Suppliers are required to retain SSCC and provide SSCC upon request.

Within thirty (30) days of a request by Chemonics, the Supplier will make serial number data for goods procured under any resulting order available in a mutually agreed upon format.



Data presented on transaction documents – including but not limited to the packing list, commercial invoice, and advanced ship notice – must align with the identifiers used on the shipping label (i.e. once the Supplier has transitioned to using the GTIN as the primary identifier, this must be used on packing lists as well).



Suppliers will provide SSCCs for all logistic units on relevant transactional documentation in the format and exchange mechanism specified by a given IPA.

What's Next?

1. Phasing new language into framework contracts over the course of 2024

2. Tracking & Reporting

3. Socialization with demand-side users

(2) *Labeling.* GHSC-PSM requires that pharmaceuticals, medical devices, sterile kits, and reagents are labeled as follows:

(a) Pharmaceuticals

(1) Tertiary Packaging – Logistics Units

(i) The minimum GS1 identification keys and application identifiers (AIs) to be included in a GS1-128 barcode, with the applicable human readable interpretation (HRI) printed adjacent:

Logistic Unit that is also a trade item

<u>Application Identifier</u>	<u>Requirement Date</u>
<u>(00) Serial Shipping Container Code</u>	<u>At the time of trade item procurement</u>
<u>(01) Global Trade Item Number (GTIN)</u>	<u>December 30, 2024</u>
<u>(10) BATCH/LOT</u>	<u>December 30, 2024</u>
<u>(17) EXPIRATION DATE</u>	<u>December 30, 2024</u>

Logistic Unit containing homogenous trade items

<u>Application Identifier</u>	<u>Requirement Date</u>
<u>(00) Serial Shipping Container Code</u>	<u>At the time of trade item procurement</u>
<u>(02) GTIN of contained trade items</u>	<u>December 30, 2024</u>
<u>(37) Count of contained trade items</u>	<u>December 30, 2024</u>
<u>(10) BATCH/LOT</u>	<u>December 30, 2024</u>
<u>(17) EXPIRATION DATE</u>	<u>December 30, 2024</u>

- Sample image to GHSC-PSM
- Ongoing surveillance

- Share information on upcoming standardized label with countries and other users

Q&A



Key Contacts:

- The GHSC-PSM Team: datasync@ghsc-psm.org
- Your GSI Member Organization
 - For a list of all MOs: <https://www.gsl.org/contact/overview>

Annex

Helpful Terms

HELPFUL TERMS

HRI: Human Readable Interpretation; the printed characters that accompany a barcode or other data carrier

SSCC: Serial Shipping Container Code; a unique identification key used to identify logistic units

GTIN: Global Trade Item Number, the GS1 key that uniquely identifies a product

Count: The total number of contained trade items identified by the GTIN

Logistic Unit: An item of any composition established for transport and/or storage that needs to be managed through the supply chain

Homogenous: A logistic unit containing one or more trade items with the same batch and/or expiration date

Heterogeneous: A logistic unit containing multiple different trade items and/or one trade item that varies by batch and/or expiration date