GS1 DIY Self Learning Materials

Global Location Numbers (GLN)
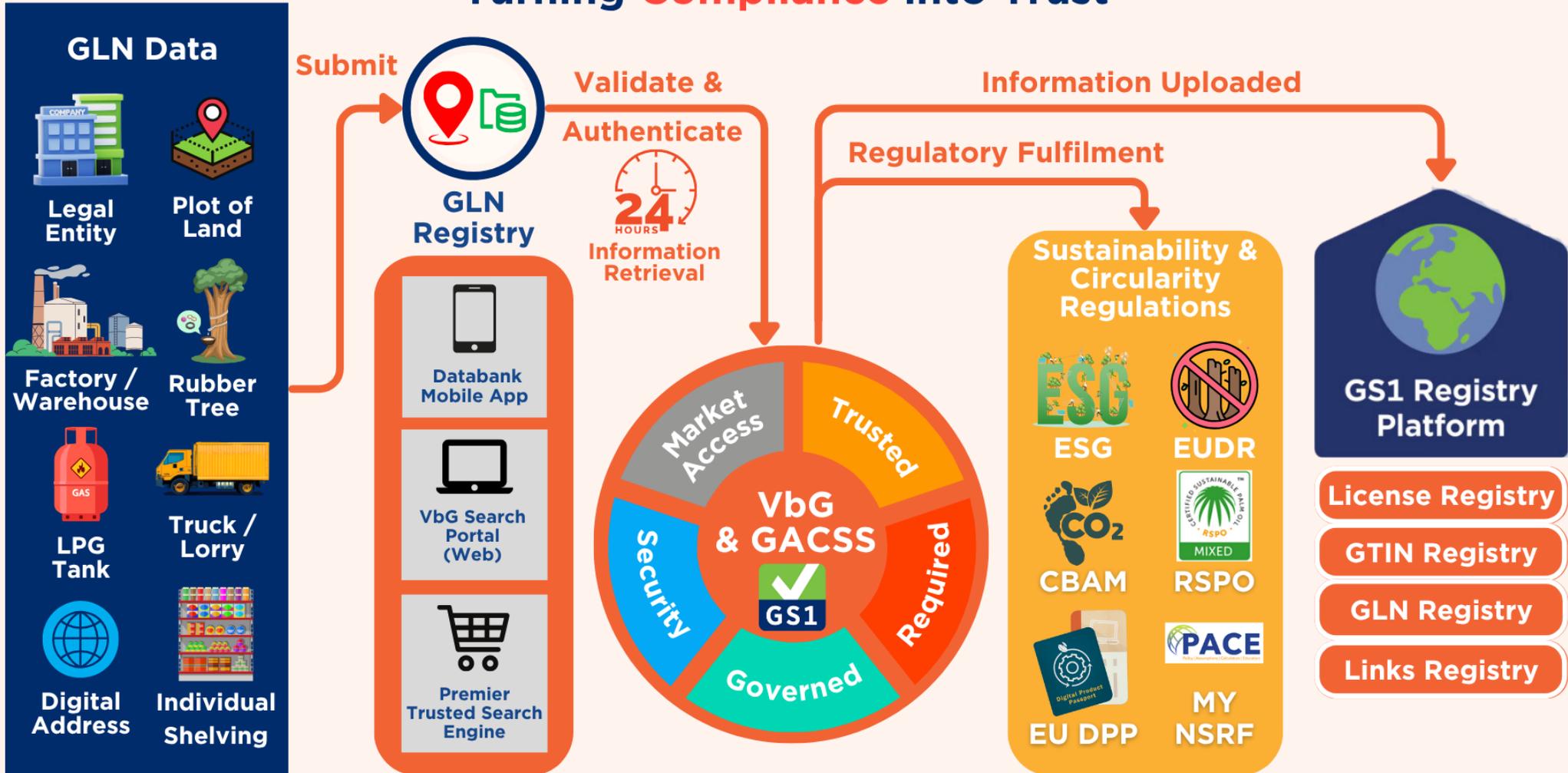
GS1 Malaysia Berhad

Preface

- This DIY Self Learning Material will allow you to:
  - Understand **what** GLN is
  - How to **acquire** GLN
  - How to **assign** GLN
  - **Where** GLN is used
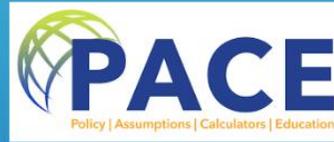 - How to **check** your **GLN information**

Verified by GS1 (VbG) supports Sustainability & Circularity
Turning Compliance into Trust

GLN Data

- Legal Entity
- Plot of Land
- Factory / Warehouse
- Rubber Tree
- LPG Tank
- Truck / Lorry
- Digital Address
- Individual Shelving

Submit →

GLN Registry

- Databank Mobile App
- VbG Search Portal (Web)
- Premier Trusted Search Engine

Validate & Authenticate

24 HOURS — Information Retrieval

VbG & GACSS ✅ GS1

- Market Access
- Trusted
- Required
- Governed
- Security

Regulatory Fulfilment →

Information Uploaded →

Sustainability & Circularity Regulations

- ESG
- EUDR
- CO_2 CBAM
- RSPO
- EU DPP
- MY NSRF
- PACE

GS1 Registry Platform

- License Registry
- GTIN Registry
- GLN Registry
- Links Registry

What is GLN ?

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GLNs fulfils Sustainability Regulations & Requirements

EU Deforestation Regulation (EUDR)

EU Carbon Border Adjustment Mechanism (CBAM)

EU Digital Product Passport

MY National Sustainability Reporting Framework (NSRF)

Roundtable on Sustainable Palm Oil (RSPO)

Environment, Social & Governance (ESG) Initiatives

Benefits of GLN Implementation

Simplify Auditing & Compliance Processes

Improve Supply Chain Efficiency & Visibility

Enhance Traceability & ESG Compliance

Upstream Integration into Supply Chain Ecosystem

Future-Proof Your Business with Smart Technologies

What can a GS1 GLN identify?

Static Asset

- Palm Tree
- Oxygen Tank
- Rubber Tree
- LPG Tank

Location

- Plot of Land
- Factory
- Warehouse
- Entire Plantation
- Retail Outlet
- Individual Shelving

Mobile Asset

- Forklift
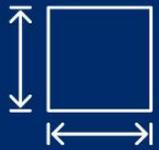- Defibrillator Cart
- Truck / Lorry
- Labeller Unit

Other GLN Identifiable: Legal Entity • Area, Section • Function, Department, Responsibility • Email, IP Address, Web Address

Examples of GLN use:
Physical Locations (Fixed and Mobile)

Static or Fixed Location (Each will have its own GLN)

1

Plantation (GLN) → Plot of land (GLN) → Rubber Tree (GLN) | Rubber Tree (GLN) | Rubber Tree (GLN)

2

Single Outlet (GLN) → Single Floor (GLN) → Single Shelving Unit (GLN)
- → Single Shelf (GLN)
- → Single Shelf (GLN)
- → Single Shelf (GLN)

Mobile Location/Asset
* Usually has a static parking location

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Encoding GS1 GLN using GS1 Application Identifiers

GS1 Application Identifiers that contain GLN:

- **410** – Ship to Location

- **411** – Bill to Location

- **412** – Purchased from Location

- **413** – Ship for / Deliver for / Forward to Location

- **414** – Location ID

- **415** – ID of Invoicing Party
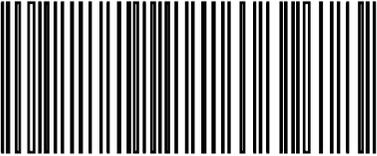
- **416** – ID of production or service location

Global Location Number (GLN)

GS1 LOGISTICS LABEL

From

EAN International
rue Royale 145
B-1000 Brussels

To

UNIFORM CODE COUNCIL
8136 Old Yankee Road
Dayton, Ohio 45459
U.S.A

SSCC

3 5412345 123456789 2

ORIGIN	SHIP TO POST
9554000012340	840 45459

(416) 9 5 5 4 0 0 0 0 1 2 3 4 0 (421) 8 4 0 4 5 4 5 9

(00)35 4 1 2 3 4 5 1 2 3 4 5 6 7 8 9 2

GS1 Malaysia

GS1 Malaysia GLN Registry

GS1 Malaysia has stepped up efforts to establish a **GLN Registry** to comply with the ongoing and ever demanding regulatory landscape requirements, so as to seamlessly interlink operations with the GS1 Registry platform for validation & authentication.

9551234567896

GLN Registry

**Federation of Malaysian Manufacturers
Wisma FMM, No. 3 Persiaran Dagang
PJU 9, Bandar Sri Damansara
52200 Kuala Lumpur
Tel : 603-62761211
Contact : Ms XYZ**

The Difference between GTIN and GLN

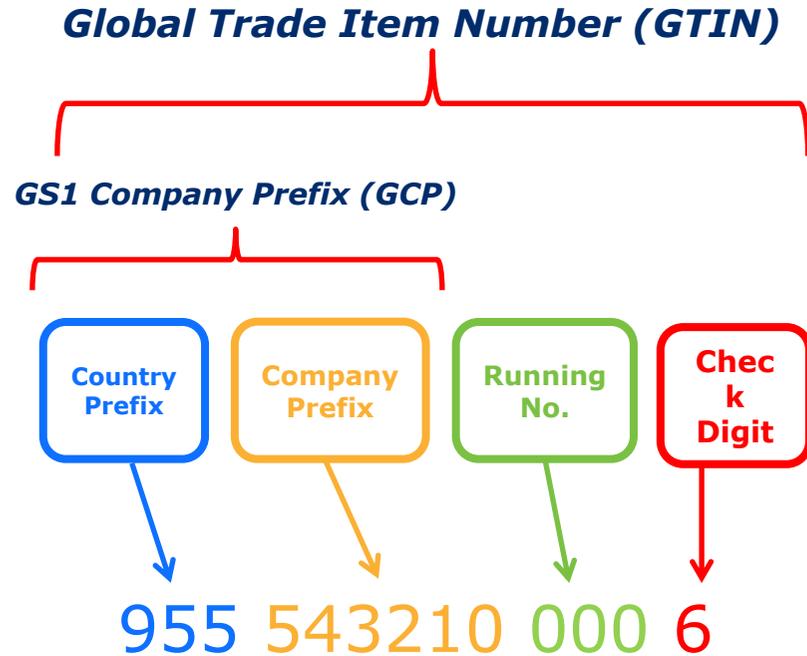# What is the Difference between GTIN and GLN?

Global Trade Item Number (GTIN)

- To uniquely identify a product or trade item
- 13 or 14 digits in length
- To identify a product for track & trace
- Generated from a GS1 membership's GS1 company prefix (GCP)
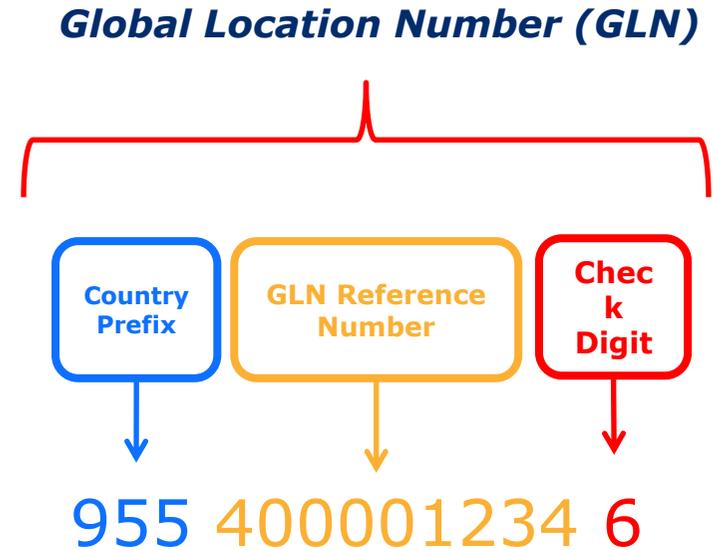- Linked to a GS1 GTIN Membership License

Global Location Number (GLN)

- To uniquely identify a legal entity, asset or location
- 13 digits in length
- To determine the origin and destination of a product for track & trace
- Standalone numbers allocated by GS1, not part of standard GS1 Membership
- Linked to a GS1 GLN Membership License

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Identification Keys of GTIN vs GLN

Global Trade Item Number (GTIN)

GS1 Company Prefix (GCP)

Country Prefix	Company Prefix	Running No.	Check Digit
955	543210	000	6

VS

Global Location Number (GLN)

Country Prefix	GLN Reference Number	Check Digit
955	400001234	6

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GS1 GTIN License vs GLN License

GS1 Membership

GS1 GTIN License

GS1 GLN License

GS1 Membership License

This is to certify that **GS1 Malaysia Berhad** is a licensed Member of GS1 Malaysia Berhad from **26th January 2022** to **30th June 2022** with the prefix number:

955 XXXXXX

Scan here and key in your company name to validate your GS1 subscriber membership!

Authenticate your GS1 membership with GS1's Global Membership Directory (GEPIR)

This is a computer generated certificate. No signature is required.

Note: The GS1 Malaysia Membership License issued to you is only valid for the current financial year. The Membership License for the following year will be issued upon request. Each license for the relevant financial year will be issued for free for the first time. All subsequent requests to issue a license will be charged RM150.00 per license certificate.

GS1 GLN License

This is to certify that **GS1 Malaysia Berhad** is a GLN license holder of GS1 Malaysia Berhad from **14 January 20XX** to **30 June 20XX**. The registered GLN prefix is **95540000XXXX**. The below GLN number has been assigned to the following location:

95540000XXXX

WISMA FMM, No. 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur

Scan here and key in your company name to validate your GS1 subscriber membership!

Authenticate your GS1 membership with GS1's Global Membership Directory (GEPIR)

This is a computer generated certificate. No signature is required.

Note: The GS1 Malaysia GLN License issued to you is only valid for the current financial year. The GLN License for the following year will be issued upon request. Each license for the relevant financial year will be issued for free for the first time. All subsequent requests to issue a license will be charged RM150.00 per license certificate.

GLN License is Independent from a GTIN License!

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Usage of GLN

Russian Federation Customs
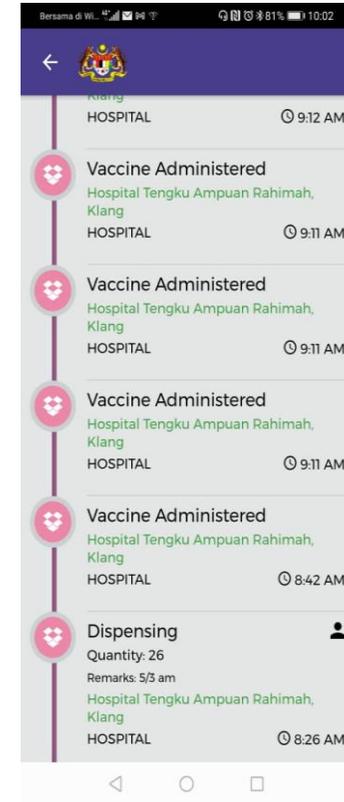# GTIN & GLN Traceability

EAC

- As of **September 1st 2021** GLN and GTIN numbers must be present for goods imported into Russia from outside of **Eurasian Economic Union (EAEU)**.

- GS1 recognised as international organisation and only entity authorised to issue GTINs and GLNs.

- Specifies the procedure for the creation and maintenance of a unified register of conformity certificates.

- Decree requires strict consistency between GLN information (manufacturer name and location) with the exporter information on the Certificate of Origin.

- Categories of goods that need to include GTIN & GLN still expanding.

GLN used in NPRA-MoH Pharmaceutical Track & Trace & COVID Vaccine Distribution

The **National Pharmaceutical Regulatory Agency, Ministry of Health Malaysia**, is using GS1 Standards and Keys in the tracking and tracing of **COVID-19 vaccine distribution** in **Malaysia**. The Global Location Number is used prominently to identify origin and distribution locations.

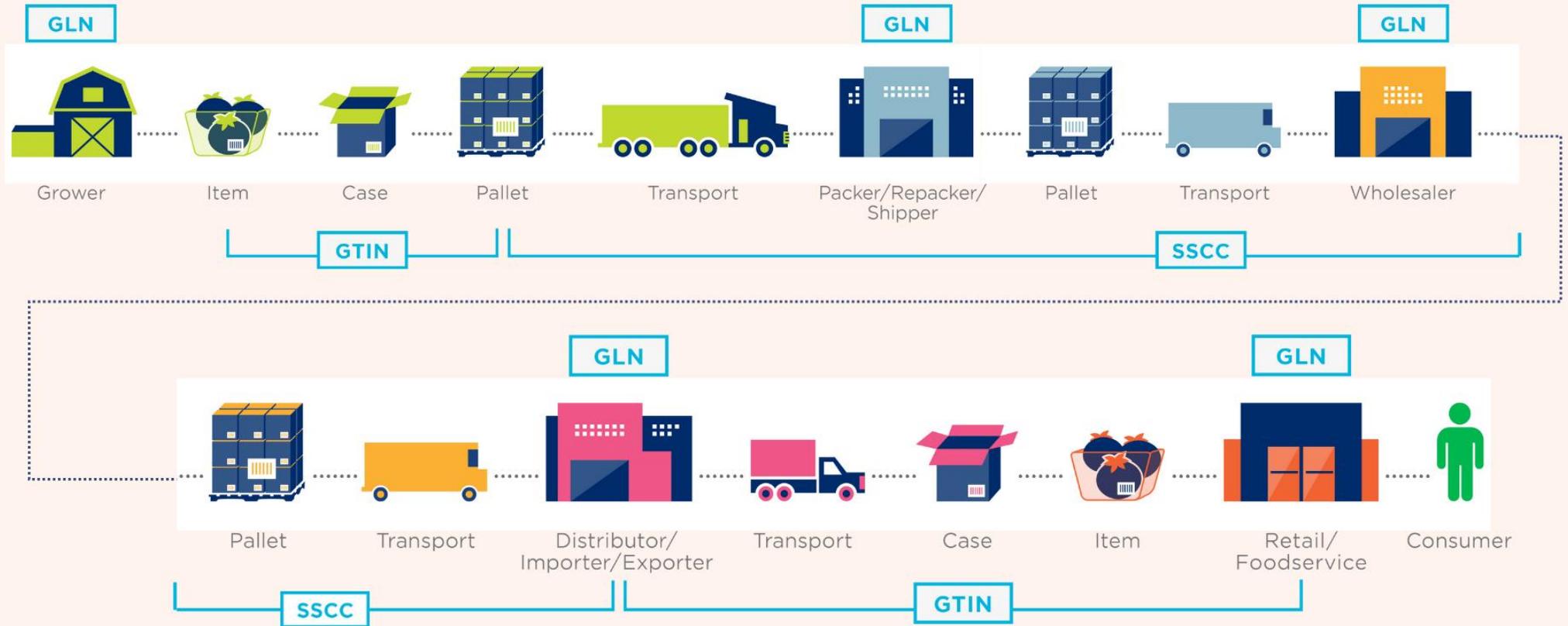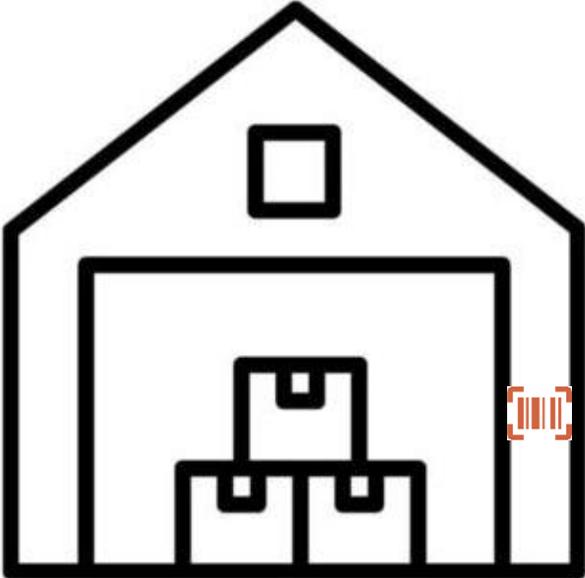| Drug-Code	Name	Short-Name	Manufacturer	Vaccine Type
05000456068253	COVID-19 Vaccine AstraZeneca Solution for Injection (TH)	AstraZeneca	Siam Bioscience Co., Ltd.	COVID-19 vaccine, non-replicating viral vector
05000456063876	COVID-19 Vaccine AstraZeneca Solution for Injection (GB)	AstraZeneca	AstraZeneca AB, SE-151 85 Sodertalje Sweden	COVID-19 vaccine, non-replicating viral vector
05000456066129	COVID-19 Vaccine AstraZeneca Solution for Injection (KR)	AstraZeneca	SK Bioscience Co., Ltd.	COVID-19 vaccine, non-replicating viral vector
	COVID-19 Vaccine AstraZeneca Solution for Injection (JP)	AstraZeneca	Daiichi Sankyo Biotech Co., Ltd., Japan	COVID-19 vaccine, non-replicating viral vector

Healthcare Track & Trace with GLN

Leading healthcare manufacturers & retailers in Malaysia are using the Global Location Number to identify their locations:

i) Pharmaniaga

ii) Duopharma Biotech

iii) Johnson & Johnson

iv) AEON

v) Caring Pharmacy

vi) *And Many More!*

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GS1 Track & Trace with GLN: From Farm to Fork

GLN — Grower
Item
Case
Pallet
Transport
GLN — Packer/Repacker/Shipper
Pallet
Transport
GLN — Wholesaler

GTIN
SSCC

Pallet
Transport
GLN — Distributor/Importer/Exporter
Transport
Case
Item
GLN — Retail/Foodservice
Consumer

SSCC
GTIN

Examples of GLN Labelling on Physical Locations

Warehouse:
Outside to denote receiving,
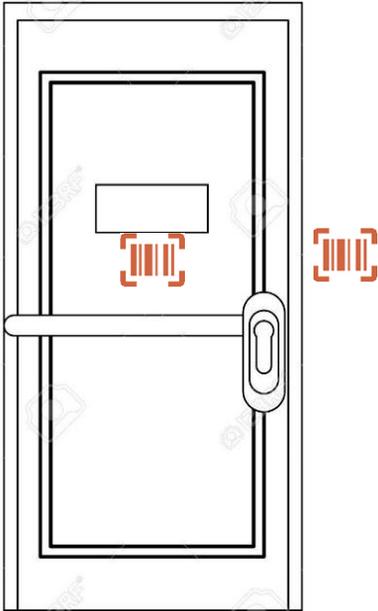**Inside to denote dispatching**

Factory:
Outside to denote receiving,
Inside to denote dispatching

Examples of GLN Labelling on Physical Locations

Individual tree or plant

Office or Department

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GS1 Malaysia GLN Registry

Information to be captured in GLN Registry for upstream asset and location identification:

- Landowner Name and Details
- State / *Negeri*
- District / *Daerah*
- City/Town/Township / *Bandar/Pekan/Mukim*
- Size / *Saiz*
- Title Type / *Jenis Hakmilik*
- Title No. / *No. Hakmilik*
- Lot No. / *No. Lot*
- Accessory No. / *Petak Aksesori*
- Land Use (e.g., **agriculture, building** or **industry**)
- Status (e.g., **freehold**, **leasehold**)
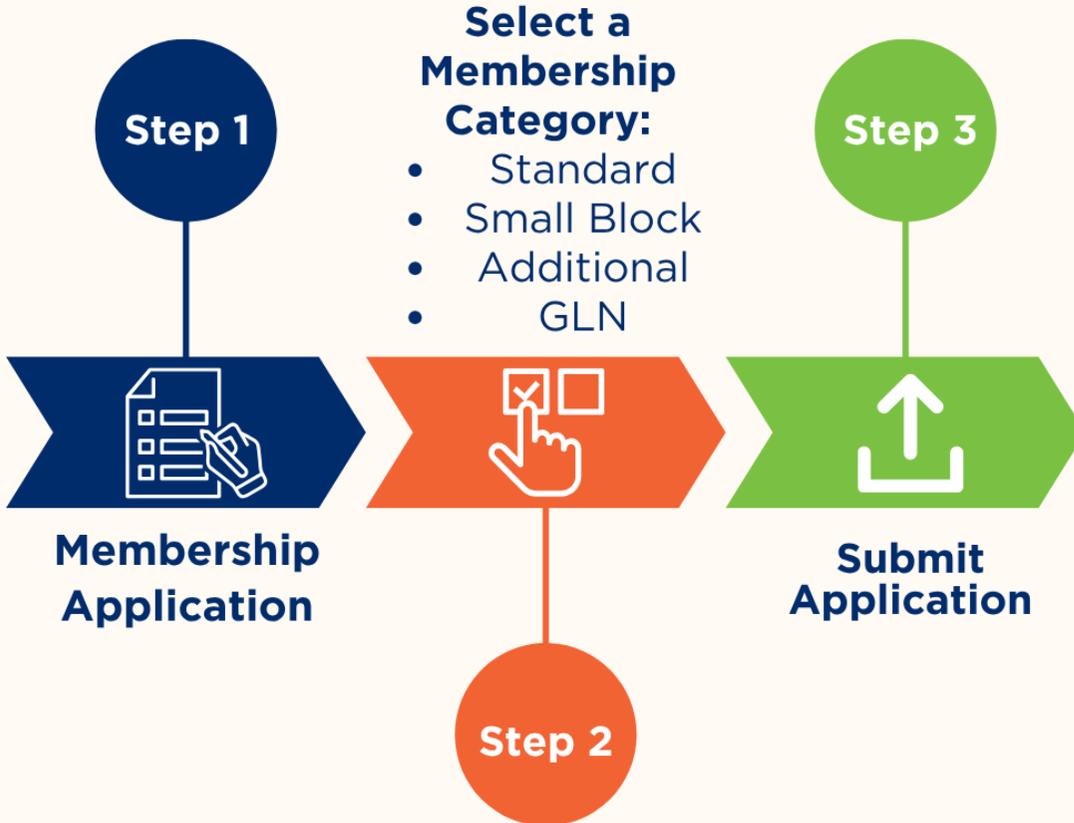- Tenure (e.g., **30, 60, 99** or **999 years**)

GS1 Global GLN Registry

GS1 Global has taken the holistic approach to address the need for an accurate, complete and globally interoperable information about parties and locations by setting up a **GS1 Global GLN Registry**.

Being able to openly share details about "**what**", coupled with "**who**" and "**where**" greatly increases the usefulness of the information in any transaction, especially in the following areas:

- Inventory Management
- Traceability
- Regulatory Compliance
- Trading Partner Identification
- Recall Readiness
- Product Authenticity
- Transport Service Efficiency
- Ethical Sourcing

GS1

Malaysia

How to Apply
Authorised GS1 Membership License with GS1 Malaysia

Step 1

Select a Membership Category:
- Standard
- Small Block
- Additional
- GLN

Step 3

Step 2

Membership Application

Submit Application

Step 1: Membership Application
- **Fill in the online membership registration form:** www.gs1my.com/member/r1/
- **Attach supporting documents:**

a. Company Registration Documents
b. Latest Annual Returns (if applicable)
c. Small Block Acknowledgement Form
d. GLN - List of entities, locations and assets
e. Proof of Payment

Step 2: Select Membership Category
- Standard Membership (1,000 numbers)
- Small Block Membership (10 numbers)
- Additional Membership (1,000 numbers)
- GLN Membership (10 GLN numbers)

Step 3: Submit Your Application
Your GS1 e-approval letter and license will be issued to the registered email(s) **within 5 working days** upon receipt of all documents and payment.

Official GS1 Communications Channels

Official GS1 Malaysia WhatsApp

+6014-3933 228
(Membership, Services & Support)

+6011-1616 8228
(Membership, Services & Support)

+6016-2455 228
(Strictly for Payment Only)

+6012-2722 646
(Strictly for Payment Only)

Official GS1 Malaysia Land Line

+603-6286 7200

Official GS1 Malaysia Emails

gs1malaysia@gs1my.org

membership@gs1my.org

payment@gs1my.org

databank@gs1my.org

Official GS1 Malaysia Website

www.gs1my.org