

# GLN – Global Location Number in SAP

How can we benefit and what do we need to do?  
(SBN 2019)

## What is GLN?

- The Global Location Number (GLN) is part of the GS1 systems of standards. It is a simple tool used to identify a location and can identify locations uniquely where required. This identifier is compliant with norm ISO/IEC 6523.
- The GS1 Identification Key is used to identify physical locations or legal entities. The key comprises a GS1 Company Prefix, Location Reference, and Check Digit.
- Location identified with GLN could be a physical location such as a warehouse or a legal entity such as a company or customer or a function that takes place within a legal entity. It can also be used to identify something as specific as a particular shelf in a store. Being able to identify locations with a unique number is a key to many business processes. The GLN is used in electronic messaging between customers and suppliers, where location advice is important. GLN is also used within companies to identify specific locations both electronically in a database and physically where the GLN can be produced in a bar code or GS1 EPC tag

## Why do we need GLN?

- Usage for Logistics tracking
  - Identification of pick-up location
  - Identification of delivery location
- Usage for e-Procurement / e-Commerce
  - Identification of participants/departments
  - Identification of shipment location

## Where will we need GLN in our SAP?

- SAP has had GLN functionality since 2006, and it became core in ECC 6.0 EhP2.
- GLNs are obtained from three sources: Vendor Master, Customer Master, and GLN Table (transaction EANGLN).
- In the GLN Table, GLNs can be maintained for plants, purchasing organizations, sales organizations, and shipping points.
- Once you have maintained GLNs in these areas and configure EDI or the suppliers, the GLNs will be available in the following standard scenarios:
  - Purchase Order/Change PO (Equinor: PEPPOL eOrder, Order Change)
  - Sales Order /Order Acknowledgement (Equinor: PEPPOL Order Response)
  - Advance Shipment Notification (Equinor: PEPPOL Despatch Advice)
  - Invoice (Equinor: PEPPOL Billing both inbound and outbound)

## Do you have any experience in the usage of GLN in an SAP environment?

Equinor wants sharing of experience or recommendations from other SAP users that are using GLN (or plan to use GLN)

- Usage in Vendor Master and Customer Master are straight forwards?
- Equinor wants to connect GLN to delivery addresses: What is the optimal use of in SAP for a buyer organisation?
  - Plant; is it common/possible to use several delivery addresses on for a plant (several GLN's)?
    - Examples could be Main entrance, kitchen, warehouse, ...
  - Other inputs?



## GLN – Global Location Number in SAP

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## Hentet fra GS1 Norge

GLN (Global Location Number) er et lokasjonsnummer som brukes til å entydig identifisere handelspartnere.

Det kan være en juridisk enhet, en rolle i en handelstransaksjon (eks. kjøper, selger, fakturamottaker, eller leveringsmottaker), eller det kan identifisere en fysisk lokasjon (eks. Adresser)

GLN er består av 13 siffer, og brukes mest i e-handel og transportplanlegging.

### Oppbygging av GLN

Eksempel:



I eksempelet over ser du hvordan et GLN er oppbygd. Men det er alltid GLN basen som tildeler GLN, så du som bruker trenger ikke være ekspert på oppbygningen av GLN.

Den viktigste informasjonen knyttet til GLN:

- Bedriftens navn
- Lokasjonsnavn
- Besøksadresse
- Organisasjonsnummer
- GPS koordinater

**Display Vendor: Control**

MENA Certificate Additional Data, IS-OIL General Poland Specific Additional Data

Vendor  W

Account control

Customer

Tax information

Tax Number 1

Tax Number 2   Natural Person

Tax Number 3

Tax Number 4

Tax Jur.  VAT Reg. No. NO

Rep's Name  Type of Busines

Tax office  Type of Industr

Tax Number

Reference data

Location no. 1	<input type="text" value="7080001"/>	Location no. 2	<input type="text" value="32128"/>	Check digit	<input type="text" value="4"/>
Transport Zone	<input type="text"/>				

- GLN number 7080001321284  
7080001 32128 4



## Links

- [Video from GS1 USA](#)
- [Video from GS1 Norway \(Norwegian\)](#)