

GS1 US Cash Visibility

Quick Start Guide for Financial Institutions

Welcome to the GS1 US Quick Start Guide for Cash Visibility and Tracking

As a financial institution stepping into the future of supply chain transparency, you're taking a bold and strategic leap forward. This guide is designed to help you choose the right GS1 identifiers—such as GLNs and SSCCs—for your operations to and understand how to apply them effectively. Whether you're enhancing traceability or improving operational efficiency this guide will walk you through the essential steps to get started with confidence.

So let's dive in!



"Cash visibility and GS1 Standards represent the mechanism for making sure that our processes take place not only reliably but transparently for the entire supply chain."

J.R. Davis
President
Davis Bancorp

GS1 Standards that may be applicable to your business

For the purposes of enabling Cash Visibility, you will need to determine which GS1 Standards may be applicable for you.

Let's start with locations:

- What type of location(s) are you looking to uniquely identify?
 - Please consider all locations such as **branch offices, ATMs, vaults**, etc.
- How many locations do you need to identify?
 - Please consider all “unique” locations that you would need to identify.
 - For instance, if you have a branch with two ATMs on premise and a vault, and for tracking purposes you want to identify each of these uniquely, then please account for each as a “separate location.”



Let's understand your cash bags:

- Are you using cash bags that are **provided to you by your partners**, such as an armored carrier? Then you can use just location identifiers in your use case.
- Or, are you using **custom-branded cash bags** that are manufactured specifically for your organization? If so, then you will need to also create unique identifiers for each cash bag.



GS1 Standards that you may need to utilize

Global Location Number (GLN) to identify locations.

Global Location Numbers (GLNs) are used to uniquely identify parties and locations within the GS1 System of Standards. The GLN provides allows companies to answer the questions "who" and "where" within their own organization and throughout the entire supply chain.

Think back to when we previously asked you to determine all your locations and determine which location(s) need to be uniquely identified. A GLN can be used to identify locations such as branches, vaults, ATMs, etc.

For your use case, you may need to identify a branch and an ATM separately, even though they may be in the same physical building. Once determined, assign each location its own GLN.



Serial Shipping Container Code (SSCC) if you are using in-house cash bags.

Previously we asked if you use a supplier's cash bags, or if you use your own branded cash bags. If you use your own cash bags, you will need a SSCC number to identify each bag separately.

The Serial Shipping Container Code (SSCC) is a GS1 Identification Key used to identify a logistic unit. For Cash Visibility, the logistical unit is a cash bag. The SSCC is encoded in the GS1-128 barcode and included on the GS1 Logistics Label (a sample is shown here), making it possible to track the logistic unit within a storage area or warehouse.

Utilizing GS1 Standards, including GLNs and SSCCs, is essential for traceability since it allows for the unique global identification of locations and cash bags.

GS1 Standards options to get you started

If you only need to identify locations and are not using in-house cash bags (in other words, the cash bags are being provided to you by agent/armored carriers), then you have a few options to help meet your GLN needs.

What is a GLN and How Do I Get One?

The Global Location Number (GLN) let businesses know who is involved in transactions and where things are located throughout the supply chain. By uniquely identifying parties and locations, a GLN helps a business track product and provide greater visibility to transactions worldwide.

[**Learn More>**](#)

Option 1 – License Single GLN(s). If you only need to identify one or few locations, you can license individual GLNs.

Option 2 – License GS1 Company Prefix.

If you have a need to identify more than a few locations, then you have an option to license a GS1 Company Prefix. A GS1 Company Prefix is a number that identifies you as the owner of your brand. It is a building block that allows you to create all GS1 identification keys, including the GLN.

If you need to identify multiple locations and cash bags, then you will need a GS1 Company Prefix to help with your needs. A GS1 Company Prefix is a building block that allows you to create both GLNs and SSCCs.



GS1 Company Prefix

Powered by GS1 Standards, this powerful number gives you the ability to create multiple GLNs, as well as SSCC numbers.

[Learn More>](#)

How to create and manage GLNs

Whether you decide to license single GLN(s) or GS1 Company Prefix, you receive access **GS1 US Data Hub** as part of your membership benefits. GS1 US Data Hub Location can help with creating and managing GLN.



Click image to view an instructional video on creating GLNs.

Step-by-Step Instructions for Creating a GLN Using the GS1 US Data Hub

1. From the GS1 US Data Hub homepage **click Location**, then the **Create Location** button on the right. The New Location window displays.

2. Assign the Administrative Parent.

Click the Choose Administrative Parent button.

The Select Parent Location window displays. For your first GLN, the Top Level GLN must serve as the Administrative Parent. As you start adding other GLNs, consider your organization's "Location Hierarchy," in which you select new GLNs as "parent locations."

After you select the box for the Administrative Parent, click the Add Parent button. This closes the Parent Location window.

3. Assign the GLN.

Keep the **Let us Assign Your GLN** button selected. GS1 US Data Hub selects the next available 13-digit GLN for the GS1 Company Prefix.

Note: if you have multiple GS1 Company Prefixes, click "Select" for the desired GS1 Company Prefix. "Selected" then displays for the prefix. If you already have a GLN

assigned, click **Choose a Specific GLN** and enter this GLN in 13 digits.

4. **Select the Industry and the Supply Chain Role.**

This will be populated based on the Administrative Parent you selected. You can change the industry for a location/party, even after the GLN is published.

- **Industry:** Select Finance/Banking.
- **Supply Chain Role:** Choose the role that best describes the function of this location or party.
- Common roles in the cash industry include:
 - Armored Carrier Company
 - Cash Processing Facility
 - Federal Reserve Bank
 - Financial Institution
 - Undefined (if you're unsure or the role doesn't fit any listed category)

5. Select the **GLN Type**.

The GLN Type represents what is being identified. GLNs can be used to answer the question of "where" business-related transactions occur for physical

and digital locations. GLNs can also identify "who" is involved within business-related transaction by identifying the party. Selections available describe locations and parties. Learn more about GLN Types. Based on which GLN Type you select, specific fields will display, and these will be noted in the next few steps (e.g., GLN Type is Fixed Physical).

Note: After you publish this GLN, you can add other GLN Types to this single GLN. Learn how to add another GLN Type.

6. **Click the Continue button** to display the Step 2 page.

Alternatively, you can **click Save Draft & Exit** to save this GLN and return at a later time. Your selections will be saved for this draft GLN.

7. **Enter the Location Name** in the **Name Field**.

This is the name of the party, company, department, etc.

8. **Enter the Address**

If you're creating a Fixed Physical GLN type, check **Street or Postal**

Address, GPC Coordinates, or GEO Shape.

If you check **Street or Postal Address**: Enter your address in the "Address Line 1" field. The system will

suggest addresses based on the USPS database. Select the correct address from the suggestions and it will be displayed.

Note: If the GLN Type is Fixed Physical, you cannot change Address Line 1 after you publish this GLN. Address information is optional if GLN Type is Legal Entity or Function. If you do not want to enter an address, uncheck the box for Street or Postal Address.

9. **Enter the Phone Number and E-mail Address**

You must enter one of these contact fields. This data is shared with Location View/Use subscribers, but NOT with global users of the *Verified by GS1* service. For the phone number, include the area code, and do not enter dashes.

10. **Select the Business Attributes**

You can select more than one of these business attributes. View the Business Transactions Enabled Help Center article for definitions.

11. **Click the Publish GLN button**

After you publish, any GLN Types you have added will be made "Active." By default, the GLN is now being shared with all other GS1 US Data Hub Location users.

Share Your Locations

By default, when you publish a GLN, it is shared with all GS1 US Data Hub Location View/Use subscribers - and with users globally and freely via [the Verified by GS1 service](#).

To change this default setting, click the **Profile Icon**, navigate to the **Data Hub Settings**, then the **Default Share Settings** link. Uncheck the box for **Share Your Locations (GLNs)**. Then click the **Save Settings** button.

Your GLNs are no longer being shared. Your company can now selectively share GLNs with a defined list of trading partners. Follow these steps below.

Step 1. Define Your Trading Partner List

Note: You need to have the Location Administrator role to perform these steps.

1. From the Managed GLN page, click the **Sharing** tab.
2. Click the **Add New Trading Partner** button. The Add Trading Partners window displays.
3. Query for the trading partner and click **Search**. When you find the desired trading partner(s), check the box(es) and click **the Add Selected to Trading Partners** button. After you have added the desired companies, you can share GLNs with this list.

Step 2. Share Individual GLNs with Trading Partners

To share location data with the defined list of trading partners:

1. Click the GLN you want to share, then click the **Sharing** tab.
2. Check the box **for Share this location and its children**. Then click **Save**.

This GLN will now be shared with your defined list of trading partners. They will be able to view all GLN data, including phone or email contact data. However, trading partners will not see how the GLN data was created, any "Comments", or the names of users who created or modified this data.

Note: For any GLNs you have not shared, a Location View/Use subscriber can request access by sending a message to your Location Administrator.

What If You Want to Share All GLNs Again?

You can always return to the **Data Hub Settings** and check the box for **Share Your Locations (GLNs)**. All your GLNs will be shared again, unless you visited an individual GLN, clicked the **Sharing** tab, and checked the box for **Hide this location and its children**.

Create and Manage SSCCs for Cash Bags

The Serial Shipping Container Code (SSCC) is the GS1 Identification Key used to identify a logistic unit.

In this section, we will share how to construct a SSCC using your company Prefix. GS1 Company Prefixes vary in length from 7 to 11 digits. The SSCC is 18-digits in length. The 18-digits are composed of:

- **Extension Digit** – always 1 digit.
- **GS1 Company Prefix** – variable in length, typically between 7 and 11 digits.
- **Serial Reference** – variable in length. The total number of digits for the GS1 Company Prefix and Serial Reference combined is 16 digits. As such, the length for Serial Reference will vary between 5 and 9 digits depending on the length of GS1 Company Prefix.

The Check Digit

The SSCC check digit is always 1 digit. This value is calculated. For illustration, we will utilize a 9-digit GS1 Company Prefix.

Let's begin with Extension digit. This will always be 1-digit and ranges between 0 and 9. Best practice is always to start with '0'.

Then use the GS1 Company Prefix in its entirety. In this instance, it is 9-digits. As you may recall, the combined length of GS1 Company Prefix and Serial Reference has to be 16-digits...so in this case, that would require 7 digits for the Serial Reference.

Best practice is to always start with zero(s) for the first Serial reference and then sequentially numerate as you need to create additional SSCCs. For this example, the first Serial Reference available is 0000000 and the next one will be 0000001, then 0000002, all the way up to 9999999. Finally, the last digit is always the Check digit. The Check digit is calculated. For our purposes, we will use the Check Digit Calculator [Check Digit Calculator – GS1 US](#). To calculate the check digit for SSCC, click on the link for the check digit calculator. Scroll down to SSCC field. Enter the combination of [Extension Digit][GS1 Company Prefix][Serial Reference] and then click on Calculate. The Check Digit will be generated under the Check Digit Field.

The first two digits will always be 00, which is an application identifier for SSCCs.

SSCC Creation Table for a 9-digit GS1 Company Prefix

Extension digit	GS1 Company Prefix	Serial Reference	Check digit	SSCC
0	061414141	0000000	2	00614141410000002
0	061414141	0000001	9	006141414100000019
0	061414141	0000002	6	006141414100000026
0	061414141	and so on, until you get to 999999999	7	00614141419999997
		Once you get to all 999999999 and you need more, then you would use the next Extension digit of value of '1'		
1	061414141	0000000	9	10614141410000009
1	061414141	0000001	6	106141414100000016
1	061414141	0000002	3	106141414100000023
1	061414141	and so on, until you get to 999999999	4	10614141419999994
		Once you get to all 999999999 and you need more, then you would use the next Extension digit of value of '2' and so forth.		

When you have completed the process, your complete SSCC number will be similar to the example below.



Your SSCC label for your cash bags, will look like this:



If you have questions or need support as you get started, GS1 US is here to help. Call us at **937.435.3870** or email info@gs1us.org—we're available **Monday through Friday, 8:00 AM to 6:00 PM (ET)**. Whether you're choosing identifiers or applying them across your operations, our team is ready to guide you every step of the way.

Key Resources:

[What is a GLN & How Do I Get One? | GS1](#)

[GS1 Company Prefix for UPC Barcodes | GS1 US Store](#)

[An Introduction to the Serial Shipping Container Code \(SSCC\)](#)