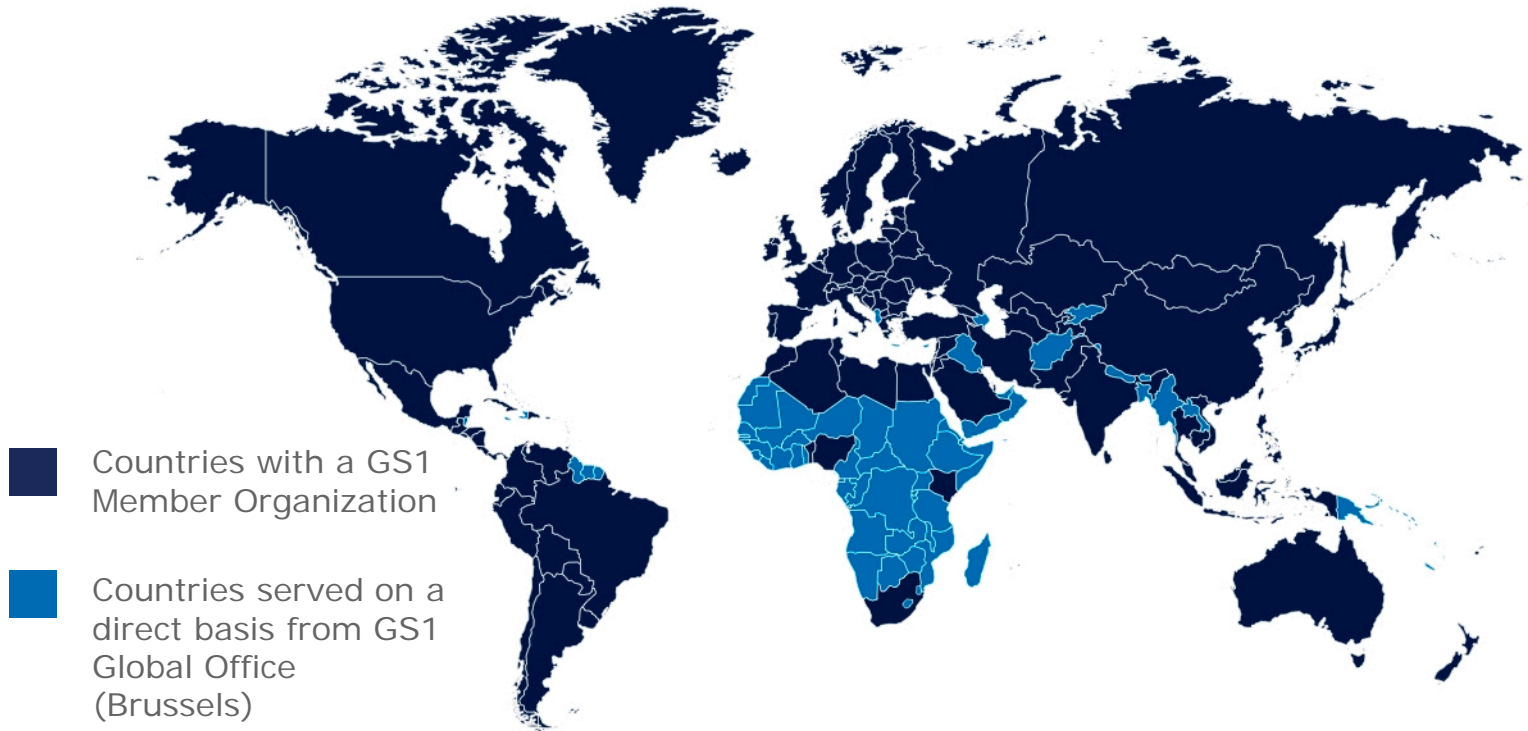




IC2

[illegible]

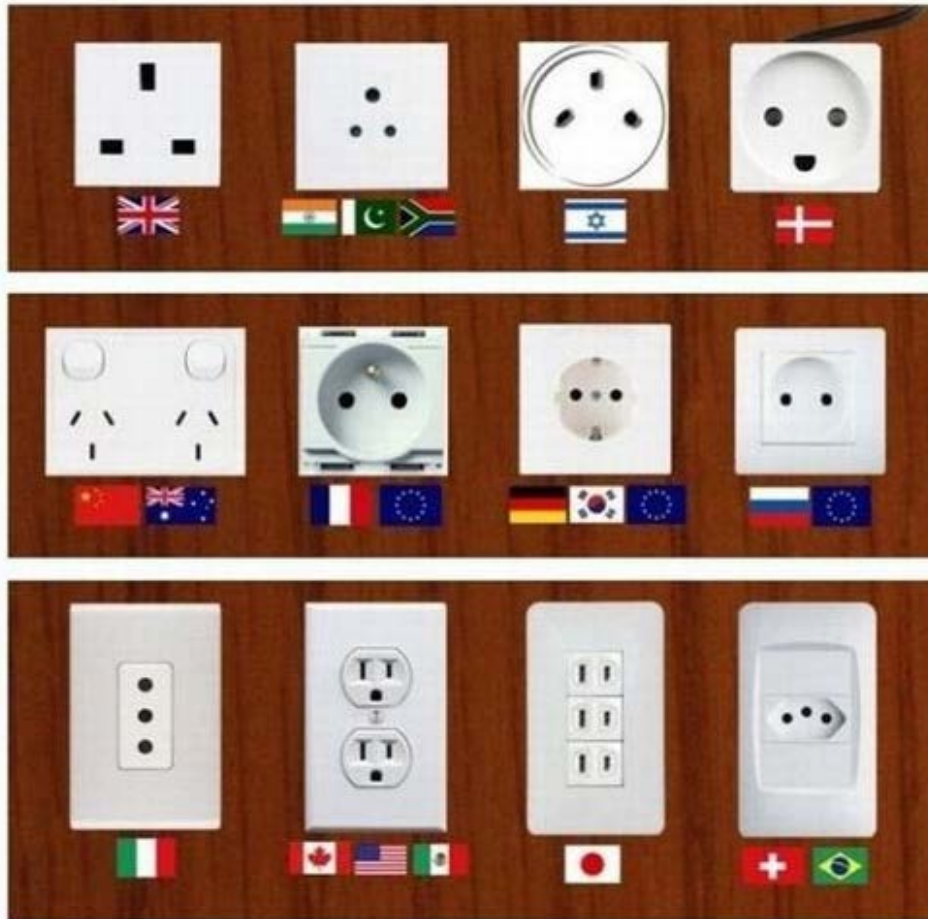
GS1 Serves Business Around the World



112 Member Organizations
2,000,000 Member Companies

150 countries served
2,000 people helping us

When there's no global standard....



The global language of business

GS1 Standards



Identify

GS1 Identification Numbers

Companies, Products, Locations, Logistics, Assets, and Services



Capture

GS1 Data Carriers

Barcodes and EPC-enabled RFID



Share

GS1 Data Exchange

Master Data, Transactional Data, and Physical Event Data

GS1 System of Standards

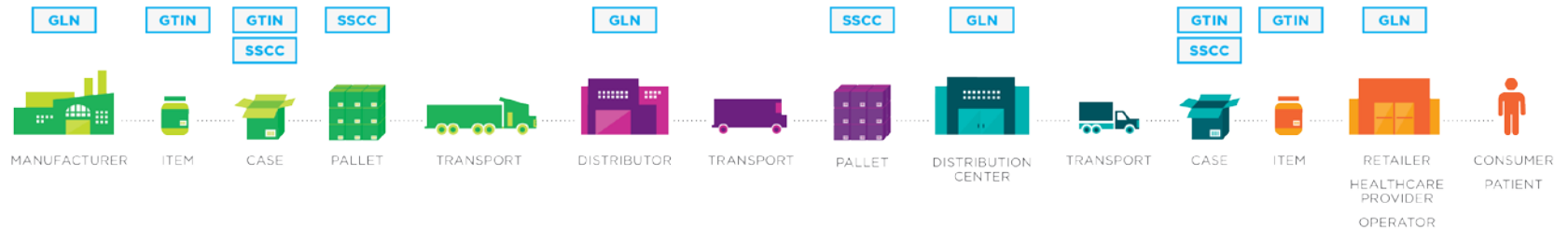
IDENTIFY: GS1 SYSTEM IDENTIFICATION NUMBERS

GLN Global Location Number

GTIN® Global Trade Item Number®

SSCC Serial Shipping Container Code

EPC® Electronic Product Code™



CAPTURE: GS1 SYSTEM DATA CARRIERS

BARCODES

EAN/UPC



GS1 DataBar™



GS1 DataMatrix



ITF-14



GS1-128



EPC-ENABLED RFID TAGS



SHARE: GS1 INTERFACE STANDARDS FOR ELECTRONIC COMMERCE

MASTER DATA Global Data Synchronization Network™ (GDSN®)

TRANSACTIONAL DATA eCom/EDI

PHYSICAL EVENT DATA EPC Information Services

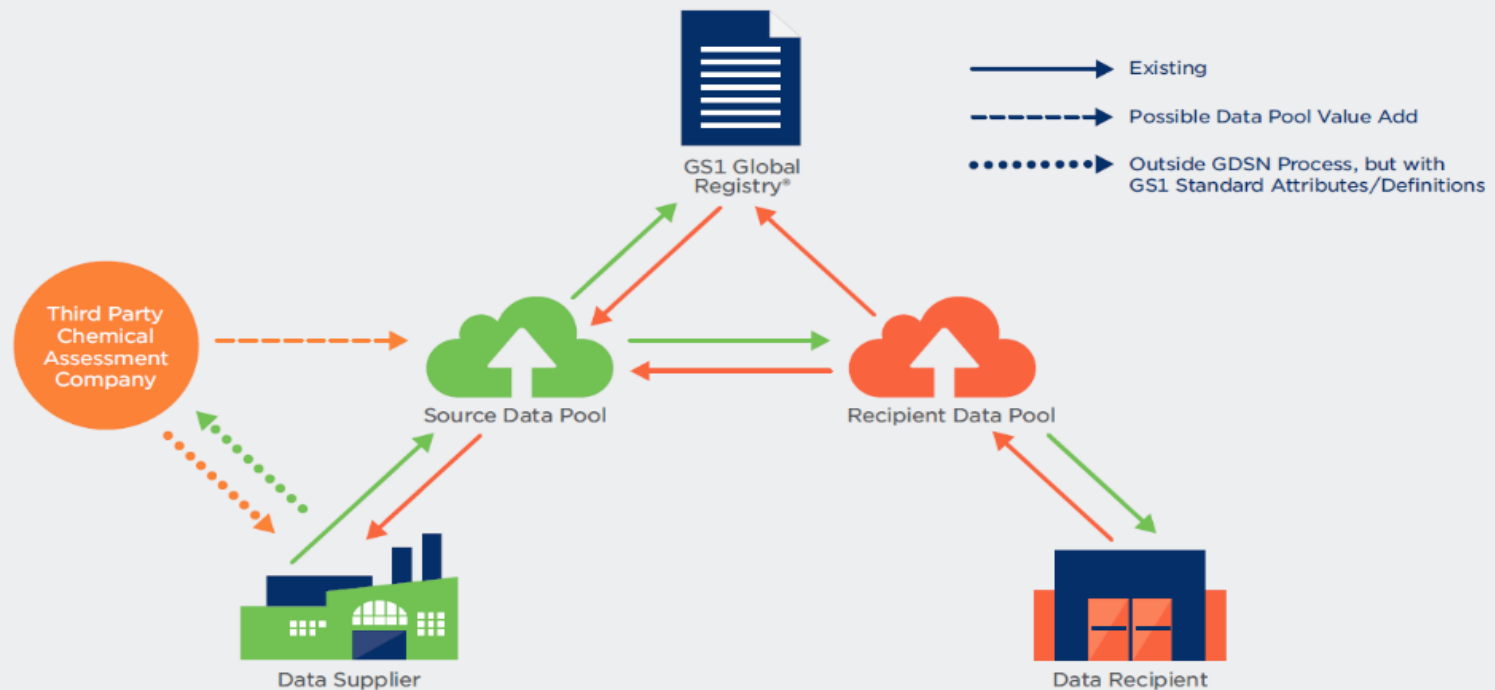


GS1 US Works With Industry

- Cross-industry working groups continuously identify attributes needed to support business processes
 - Attributes are standardized through a Global Standards Management Process (GSMP)
 - Standardized attributes are added to the Global Data Dictionary (GDD)
 - Standardized attributes can be used across the mechanisms found in GS1 “Share” Standards and beyond
- Partnered with RILA to facilitate a cross-industry workgroup to evaluate standardized chemical and regulatory attributes available in the GDD for use in the GDSN

RILA Use Case Using GDSN

How Will This Work?



Hazardous Waste Information

- Six attributes that are repeatable for state-specific requirements

GS1 Attribute	Field Type	Definition
isAcutelyHazardousWaste	Non-binary Logic	An indicator whether or not the Trade Item contains wastes that would cause death, disabling personal injury, or serious illness. These wastes are more hazardous than ordinary hazardous wastes.
isUniversalWaste	Non-binary Logic	Indicates if a product can be considered universal waste. Universal waste is defined as "are wastes that do not meet the regulatory definition of hazardous waste, but are managed under special, tailored regulations"
hazardousWasteCode	Text (1-35 Characters)	A classification of hazardous waste managed at the federal or state level for example EPA Hazardous Waste Code of D00 (Ignitable waste).
hazardousWasteAgency	Text (1-200 Characters)	The Agency for the Classification of Hazardous Waste. The specific hazardous waste code for the federal or state regulation that applies to the product for example US EPA.
hazardousWasteDescription	Text (1-1000 Characters)	A description of the classification of hazardous waste managed at the federal or state level for example EPA Hazardous Waste Code of D00 (Ignitable waste). Allows for the representation of the same value in different languages but not multiple values.
nonHazardousWasteDescription	Text (1-1000 Characters)	A classification of non-hazardous waste managed at the federal or state level for example a code for disposal of latex paint. Allows for the representation of the same value in different languages and multiple values.

Transportation Classification

- Nine attributes that are repeatable for ground, domestic and international air requirements

GS1 Attribute	Field Type	Definition
transportationModeRegulatoryAgency	Text (1 - 200 Characters)	The agency requiring information based on a specific mode of transportation for example ADR, IATA, DOT, IMDG.
transportationModeCode	Code [values for this attribute supplied by HazardousMaterialsTransportationModeCode]	The type of vehicle used for the transportation of a hazardous material.
shippingRegulationException	Description (1 - 1000 Characters)	The reason that something is prohibited for transportation using a specific mode as a description. Allows for the representation of the same value in different languages.
specialRequirementsDescription	Description (1 - 1000 Characters)	The reason that something is prohibited for transportation using a specific mode as a description. Allows for the representation of the same value in different languages.
classOfDangerousGoods	Text (1 - 4 Characters)	The dangerous goods classification of the trade item. Dangerous classes explain in general terms the hazardous nature and properties of the goods and serves to classify them together in terms of their most significant risk. Recommend to use codes listed in the 6th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
unitedNationsDangerousGoodsNumber	Code Value	UNDG Number: Recommend to use codes listed in the 6th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
dangerousGoodsShippingName	Text (1 - 200 Characters)	Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names.
doesTradeItemContainPropellant	NonBinary Logic	Indicates if a trade item contains a compressed gas or propellant.
dangerousGoodsPackingGroup	Text (1 - 35 Characters)	Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.

Support Tool – GS1 US Attribute Explorer™

A tool for end users

- Includes attributes defined by:
 - GDD
 - Attribute value pairs (AVPs) not yet fully incorporated into GDD
 - GS1 US Industry Initiatives
 - Demand side partner requirements
 - Regulatory mandates

Technology agnostic

- Intuitive, browser-based user interface lets users:
 - See a list of defined attributes
 - Search attributes by name or description
 - Find out what attributes are defined in what standards and guidelines
 - Identify the attributes defined or required for a given product category
 - See which attributes are required by which demand side partner / government and compare

GS1 US Attribute Explorer™

- Heading lists summary of what is being displayed
- Filters restrict data to smaller sets
- List can be changed to a matrix view by Category or by Recipient
- Attributes are colored orange
- Code Values are colored blue
- Click on the listing to get more information

The screenshot shows the GS1 US Attribute Explorer web application. The header includes the GS1 US logo, the title "GS1 US Attribute Explorer", and links for "Logout", "My Account", and a search bar. The navigation menu has "Home", "Search" (highlighted), "Versions", and "Feedback". The main content area displays a filter section on the left with "Result Type" set to "List" (with options for "by Category" and "by Recipient"). Below this, a table shows "Attribute" with 2743 results and "Code List Value" with 3641 results. The main display area shows a list of attributes, with the first one highlighted in orange: "additionalClassificationAgencyName". The details for this attribute are shown on the right, including its class, definition, and cardinality.

GS1 US Attribute Explorer

Logout | My Account | Search

Home Search Versions Feedback

Filter

2743 attributes (■) and 3641 code list values (■) found

Result Type: List by Category by Recipient

Attribute: 2743

Code List Value: 3641

Categories: additionalClassificationAgencyName Code [values for this attribute supplied by Additional Classification Agency Name]

Recipients: From class: ClassificationCategory Defined in: GDS - Trade Item

Cardinality: Text name of the additional external classification agency whose schema is being provided in addition to the GDS. Required if additional classification schema fields are populated.

Data Type: 1 [Additional Classification Agency Name]

Global/Local: Code value for attribute: additionalClassificationAgencyName From class: ClassificationCategory Defined in: GDS - Trade Item

Delivery Message: GXS Product Data Quality (Formerly UDEX LTD)

Defined In: 10 [Additional Classification Agency Name]


Code value for attribute: additionalClassificationAgencyName From class: ClassificationCategory Defined in: GDS - Trade Item

GS1 US Attribute Explorer™

Click for more information

- Definition
- Data Type
- Class name
- Usage information
- Category and Recipient requirements for this attribute
- List of attributes in the class
- Clicking on a Code List Value will show the other values in that code list

Details for Code List Value


 1 [Additional Classification Agency Name]

Code value for attribute: additionalClassificationAgencyName
From class: ClassificationCategory
Defined in: GDS - Trade Item

GXS Product Data Quality (Formerly UDEX LTD)

Code List Information

Additional Classification Agency Name
1
10
11
13
14
15
16
17


**GS1 US Attribute Explorer**

Logout | My Account | Resources | Help

Q Search > Welcome, Scott

[Home](#) [Search](#) [Versions](#) [Feedback](#)

Details for Attribute

 **additionalClassificationAgencyName** Code [values for this attribute supplied by Additional Classification Agency Name]

From class: ClassificationCategory
Defined in: GDS - Trade Item

Text name of the additional external classification agency whose schema is being provided in addition to the Global EAN.UCC schema. Required if additional classification schema fields are populated.

Usage Information

Cardinality: Mandatory (if class invoked)
Recurrence: Single
Delivery Message: GDSN

Other Information

This is a *trading partner neutral* attribute: all trading partners receive the same value for this attribute.
This is a *global* attribute: a single value applies to all target markets.

Class Information

ClassificationCategory	
1	additionalClassificationAgencyName : Code List
1	additionalClassificationAgencyCode : Text (1 to 15 Characters)
0.1	additionalClassificationCategoryCodeVersion : Text (unbounded)
0.1	additionalClassificationCategoryDescription : Text (1 to 70 Characters)

Context

Categories

Bus. to Gov. (B2G)	✓
Digital Product	✓
EU 1169 Map	
Food Service	
GDSN Mandatory	
GS1 Fisheries	
GS1 Fruit & Veg	
GS1 Source	
GS1 US- Apparel	
GS1 US- Beauty	
GS1 US- Fashion Accessories	
GS1 US- Footwear	
GS1 US- Home	
GS1 US- Jewelry	
HCSA Total Visibility	Highly Desirable
Healthcare- US	Optional
Images/Ext. Files	
Medical Devices	
Pharmaceuticals	
Sustainability	

Recipients

Ben E. Keith Foods	
Compass Group/Foodbuy	
Dot Foods	
FDA GUDID Map	Required
SGA/FSA	

Next Steps

- <https://ae.prod.gs1us.org/ui/home>
- Sign up for a free account and discover the attributes available that can help your supply chains
 - Currently over 180 attributes to support Sustainability efforts
- Participate in GS1 US workgroups to identify gaps in the current standards and future opportunities
- Work with GS1 US and your solution providers to understand how you can share and receive this data with your trading partners

Contact Information

Carrie Wilkie

Vice President, Standards Management

GS1 US Corporate Headquarters

Princeton Pike Corporate Center

1009 Lenox Drive, Suite 202

Lawrenceville, NJ 08648 USA

T +1 609.620.8006

E cwilkie@gs1us.org

www.gs1us.org

