

The Global Language of Business

Big Benefits for Small Business—The Value of Unique Product Identification

Open Industry Webinar for Foodservice and Retail Grocery

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GS1 US is committed to complying fully with antitrust laws.

We ask and expect everyone to refrain from discussing prices, margins, discounts, suppliers, the timing of price changes, marketing or product plans, or other competitively sensitive topics.

If anyone has concerns about the propriety of a discussion, please inform a GS1 US representative <u>as soon as possible</u>.

Please remember to make your own business decisions and that all GS1 standards are voluntary and not mandatory.

Please review the complete GS1 US antitrust policy at: <u>http://www.gs1us.org/gs1-us-antitrust-compliance-policy</u>







- About GS1 and GS1 US
- Business Case for Standards
- What GS1 Standards Can Do
- Educational Opportunities



About GS1



GS1 makes it possible for industries and companies of all kinds to move their business forward by adopting GS1 Standards as the foundation of their business processes.







1.5 million companies around the world use GS1 Standards.

More than 5 billion GS1 barcodes are scanned every day.

17 million products are assigned U.P.C.s in the GS1 US Data Hub[®] | Product tool.

More than 25 million products are registered by brand owners in the GS1 Global Data Synchronization Network[™] (GDSN[®]).



110+ Member Organizations Serving Business Around the World







GS1 US serves more than 300,000 businesses across 25 industries in the United States.

- Leading industry initiatives in Apparel and General Merchandise, Foodservice, Healthcare, and Retail Grocery
- Administrating the GS1 System of Standards
- Providing support services, tools, education, and training
- Connecting communities through events and online forums

GS1 US is the pioneer of the Universal Product Code (U.P.C.) and the Electronic Product Code (EPC[®]).



Our Value to Industries and Companies



Adoption & Usage

More and more companies using the standards

Leadership

Industry working together to break new ground

Increased Scale & Efficiency

100% USAGE 50% ADOPTION AND USAGE 0% ADOPTION PROGRESS



Business Case for Standards



Challenges Facing the Foodservice Industry Today



The "business of food" is changing fast. Margins are thin, competition is fierce, and consumer demands for transparency around product information are stronger than ever. The Food Safety Modernization Act (FSMA), menu-labeling legislation, plus a growing consumer demand for more and better nutritional and allergen product information underscore the need for a standards-based system to ensure accurate and timely product information.





Challenges Facing the Grocery Industry Today



The grocery industry, including consumer packaged goods, fresh foods, and retail, continues to find new ways to collaborate with the use of standards and technology to support operations.

Faced with increasing demands for rich product data, efficiency in ecommerce operations, and supply chain visibility, companies are utilizing GS1 Standards to help ensure product traceability and food safety while also streamlining business processes.





Regulatory Compliance



Recent government regulations have raised the bar for food safety and transparency. **The Food and Drug Administration's Food Safety Modernization Act (FSMA)** focuses on the creation of a new food safety system with broad preventative measures and accountability. It will lead to an increase in domestic food inspections and give the government more power to issue recalls.

By implementing GS1 Standards based on unique identification of products, companies are improving traceability processes to meet regulatory requirements while also enhancing their enterprise risk management capabilities. "With GS1-128 barcodes, we can now track products by batch/lot number, anywhere between our processing facilities, distribution centers, and stores or restaurants."

Paul Lothian, Business Solutions Architect, Tyson Foods

Source: GS1 US Case Study—Tyson Foods Putting customers and consumers first by leveraging GS1 Standards for stability and velocity



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Consumers Want to Know...



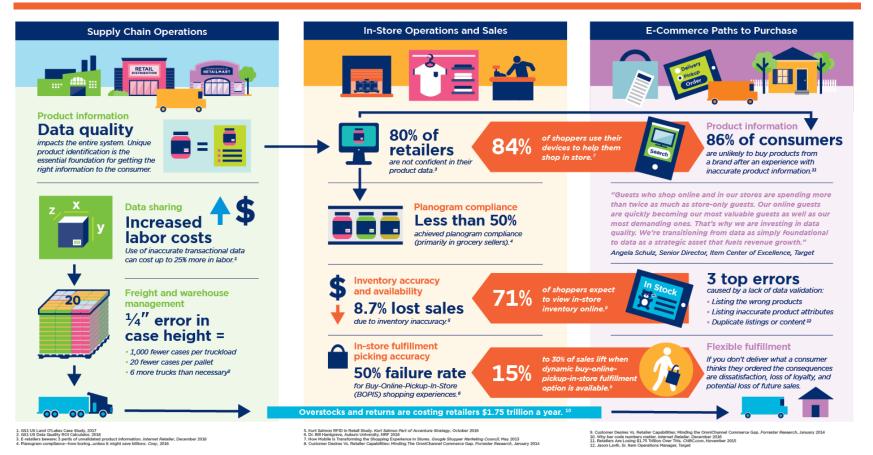




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The Rising Risks of Poor Data Quality...





...and Its Impact on Your Entire Business



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What are standards? Standards are:

- Agreements that structure any activity or industry
- Guidelines everyone applies



One of the easiest ways to understand the usefulness of standards is think about what happens when there are no standards...



Without Standards

When there are no Standards...

- Companies must
 - Mark the same products differently for different customers
 - Utilize proprietary numbering systems for items and locations
 - Create and maintain multiple cross-reference tables
 - Manage order and invoice discrepancies due to item and location number inconsistencies
 - Pay extra attention to customer-by-customer specificities
- **Resulting in** extra costs throughout the supply chain



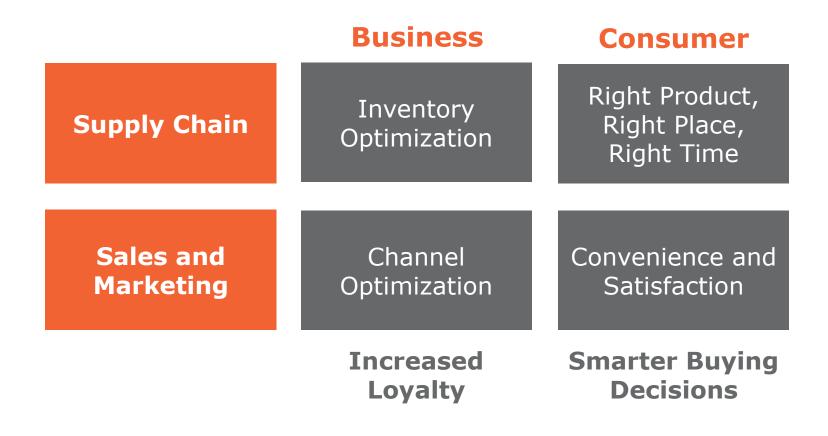






Success and Benefits of Standards







GS1 Standards in Foodservice and Retail Grocery



Together, we're making it possible to share accurate product information everyone can rely on, improving efficiency and food safety.

Key benefits

- Improve food safety and traceability
- Address local and federal food safety regulations
- Enabling visibility up and down the supply chain
- Improving accuracy of product data for trading partners and consumers
- Reducing waste and inefficiencies
- Improving inventory accuracy and on-shelf availability
- Enabling precise product tracing and recall readiness

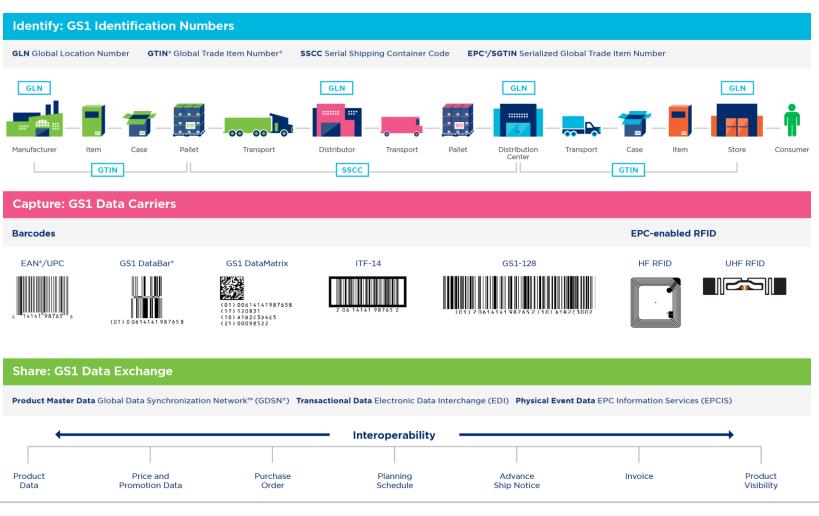


What GS1 Standards Can Do



GS1 Standards: Identify, Capture, and Share







The 3 G's –GTIN, GLN and GDSN

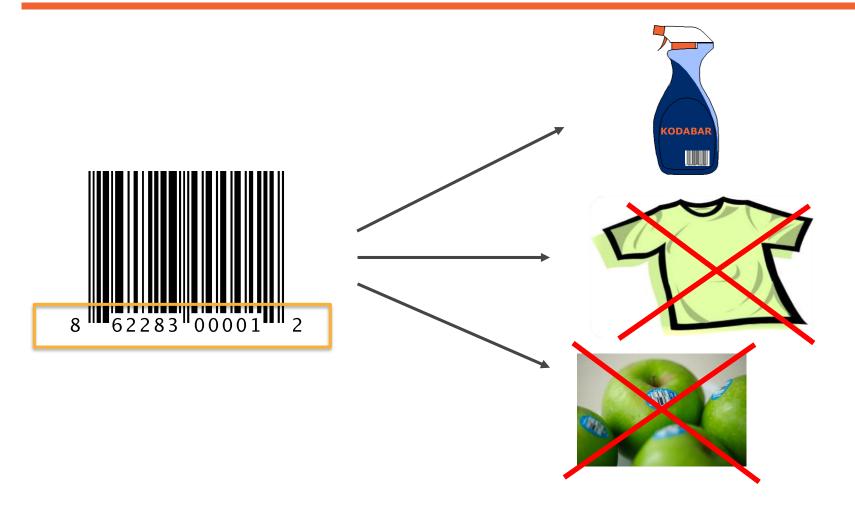


- GTIN (Global Trade Item Number) GS1 Standardized Product Identification ensures unique identification of foodservice products.
- GLN (Global Location Number) GS1 Standardized Location Identification for manufacturer, distributor, and operator facilities, departments, docks, etc.
- **3. GDSN (Global Data Synchronization Network)** GS1 Standardized Product Definition connects trading partners to the GS1 Global Registry® via a network of interoperable GDSN-certified data pools. Data Synchronization is the electronic transfer of standardized product information between trading partners and the continuous synchronization of that data over time.



1 GTIN = 1 Product

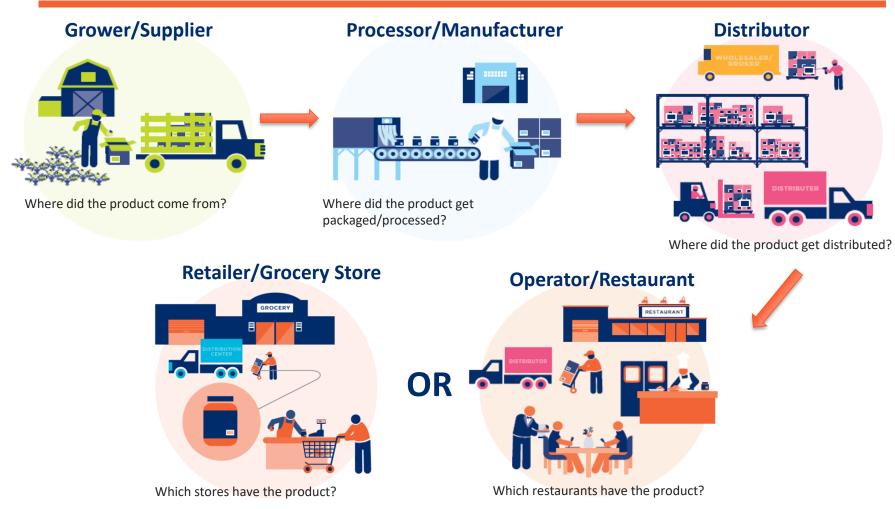






GLNs Enable Whole Chain Traceability







Today's approach



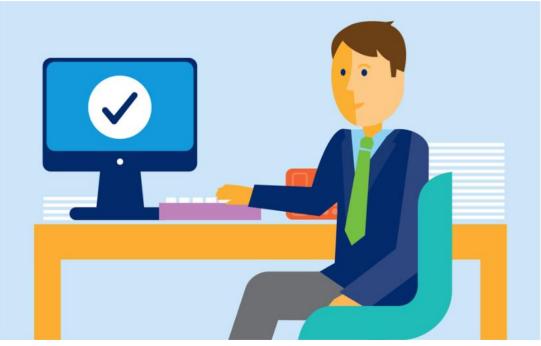




Tomorrow's opportunity



 We have a common language—<u>one source of truth</u>—to share and understand information about products and locations



 We know where the product came from – where it went – and where it is now • We know what the product is, including nutritionals, allergens, etc.



Data Flow Via GDSN

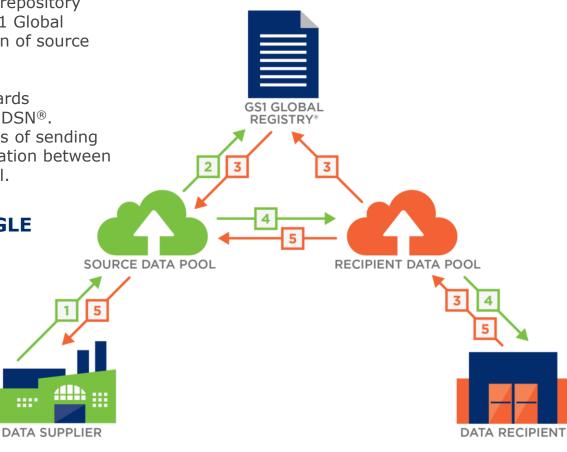


The **GS1 Global Registry**[®] is a single repository where basic data is registered. The GS1 Global Registry identifies the data pool location of source data.

Data Pools provide data that is standards conformant, and interoperable in the GDSN[®]. The data pool performs the transactions of sending and receiving validated product information between partners inside or outside the data pool.

Select one data pool as a SINGLE point of entry to the GDSN



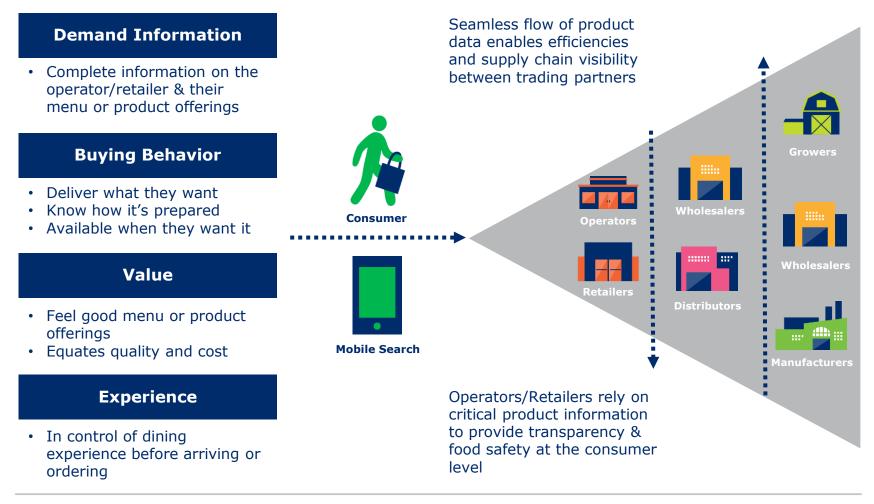




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GS1 Standards Enable a Better Consumer Experience





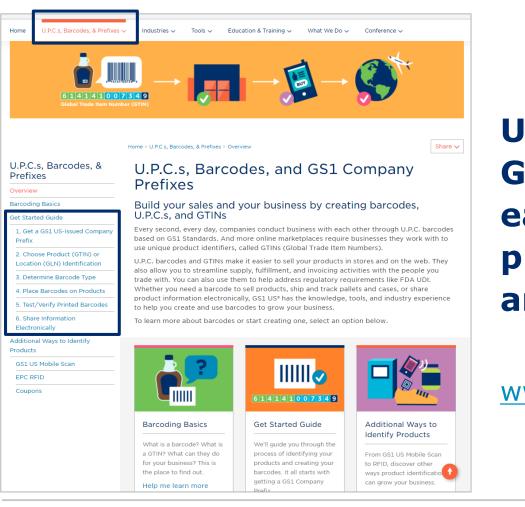


Educational Opportunities



Getting Started





U.P.C. barcodes and GTINs make it easier to sell your products in stores and on the web









Create Barcodes and U.P.C.s with the GS1 US Get Started Guide Looking to sell a product in stores or online? Start here

1. Get a GS1 US-Issued Company Prefix

Your company ID for building barcodes, U.P.C.s, GTINs, and other product identifiers.

2. Choose Product (GTIN) or Location (GLN) Identification

View Step 1

View Step 2



6 1 4 1 4 1 0 0 7 3 4 9

GTIN

614141000050

4. Place Barcodes on Products

Tips for creating and placing barcodes on your products.

View Step 4



5. Test/Verify Printed Barcodes Make sure they work the first time, every time.

View Step 5



3. Determine Barcode Type

Find barcode options based on your needs.

Identifying a product? Location? Learn how.

View Step 3



6. Share Information Electronically

Learn how to share your information with your trading partners.

View Step 6



www.gs1us.org/getstartedguide



Visit The Resource Library



Industry	Q Attribute or Image Guide	x >	
Aerospace and Defense	All (19) Documents (19) Other (0) Videos (0)		
	Attribute or Image Guide O Foodservice O Retail Grocery O Clear All		
Apparel and General Merchandise			
Banking	Results (19 items)	Sort By: Relevancy •	
Foodservice			
Government and Public Sector	Guideline - GS1 US Product Images Application Guideline for the Retail Grocery Industry R2.0 This document provides detailed guidance on how to create, manage and supply product images for use in commerce applications across retail operations.		
Healthcare			
High Tech and Electronics	⊻ Download pdf (1MB)		
Retail Grocery			
Small Business	Workgroups - GS1 US Retail Grocery Initiative The GS1 US Retail Grocery Initiative focuses on improving product information, supply chain visibility and operational efficiencies.		
	⊻ Download pdf (550KB)		
I Want To			
Identify Locations	Guideline - Foodservice GS1 US GDSN Attribute	Guide	
Identify/Barcode Products	This document supplements the Foodservice GS1 US Standards Initiative's Attribute Spreadsheets listing the Initiative's implementation of GS1 Global Data Synchronization Network™ (GDSN®) standards and provides advice on implementation and operation of these attributes.		
Share Data Electronically	· ⊻ Download pdf (4MB)		

www.gs1us.org/resource-library



GS1 US Education & Training



GS1 US University offers diverse education and training opportunities to help individuals and companies understand how to use GS1 Standards to improve their business processes.



GS1 US® certificate courses and workshops are in-depth, interactive classroom events.



Live educational webinars feature the opportunity to ask questions directly to the expert presenting the topic.



Online training courses provide on-demand access to a library of educational videos and recorded webinars.

www.gs1us.org/education



Visit The Industry Pages





www.gs1us.org/industries/retail-grocery

oodservice	Foodservice		
tandards in Use			12 12 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GS1 US National Data Quality Program	Improving business by leveraging GS1 Standards to remain relevant and competitive		
Food Safety	In the foodservice industry, companies face growing expectations for product information and transparency, as well as a variety of market-		
Fresh Foods	driven and regulatory challeng		ket-
itiative	 Increasing consumer de 	emand for robust, accurate product	
Workgroups	information Trading partner expectations for labeling and transparency 		
Members	Irading partner expectations for labeling and transparency Need to reinforce customer confidence through precise recall readiness and traceability Regulatory requirements—and more GS1 US* works with the foodservice industry to help address these business challenges. By leveraging the power of GS1 Standards, companies are improving business efficiencies and		
plementation Resources			
GS1 US Advisory Services			
Small Business			
Who can help	sharing reliable product information to stay relevant and competitive.		
Resource Library	INDUSTRY CALL TO ACTION:	17 companies sign letter to promot	e quality data
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	Foodservice GS1 US	GS1 US National Data	GS1 US Advisory
	Standards Initiative	Quality Program	Services
	Defining challenges,	Enabling complete and	Customized training and
	exploring solutions, creating	accurate product information	standards implementation
	adoption plans.	with education and effective	support for your
	Get involved >	data governance.	organization.

www.gs1us.org/industries/foodservice



Improve data quality >

Get expert help >



Customized Education and Implementation Support

GS1 US Advisory Services deliver a consultative approach that offers a combination of technical and business expertise to address the specific challenges your organization may face in implementing GS1 Standards.



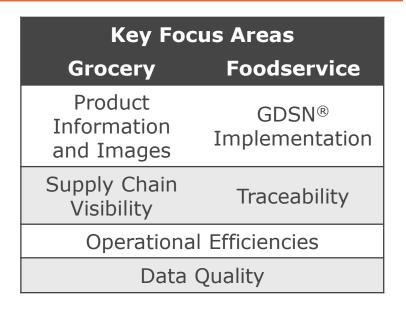


Moving Forward Together With Industry Initiatives



Members within the <u>GS1 US Retail</u> <u>Grocery Initiative</u> and the <u>Foodservice GS1 US Standards</u> <u>Initiatives</u> are working together to drive the adoption and use of GS1 Standards.

By bringing together industry leaders, the initiatives are designed to identify the specific challenges and potential solutions that will lead to continued progress toward more efficiencies, enhanced risk management, and business growth.







Tools

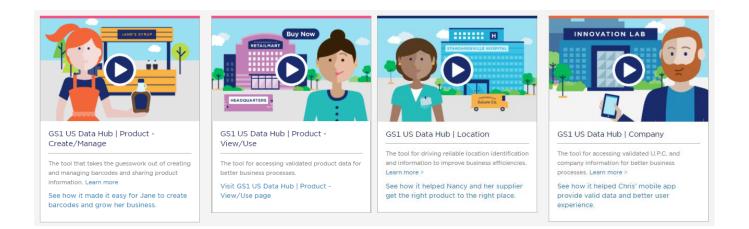






A suite of tools for driving reliable data to grow your business

 GS1 US Data Hub combines three powerful online tools to easily identify, create, manage, use, and verify data through one convenient, data-sharable platform.



www.gs1us.org/tools/gs1-us-data-hub





A centralized, web-based repository that houses thousands of attributes, and is designed to:

- Search and discover the attributes found in both the GS1 Global Data Dictionary (GDD) and GS1 US[®] industry guidelines
- Familiarize users with the attributes found in the global GS1 System of Standards and within GS1 US Retail Grocery, Foodservice, Healthcare, and Apparel/General Merchandise industry guidelines
- Search by attribute data type, name, and values—search results returns basic definitions as well as the link to the attribute's official documentation
- Provide industry filters to fine tune search results
- Use fuzzy string searching to locate similar attribute results

www.gs1us.org/tools/gs1-us-attribute-explorer





The last digit of a barcode number is a calculated check digit. The check digit is calculated from all the other numbers in the barcode and helps to confirm the integrity of your barcode number.

Simply enter the ID Number below and the Check Digit Calculator will calculate the last digit for you.

www.gs1us.org/tools/check-digit-calculator



Questions



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