

#### The How

Industry Defined Guidance to Help Meet FSMA 204 Record Keeping Requirements

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#### **Antitrust Caution**



#### **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.

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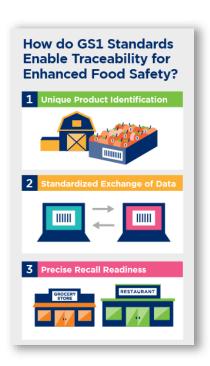
Please review the complete GS1 US antitrust policy at: <a href="https://www.gs1us.org/antitrust-policy">https://www.gs1us.org/antitrust-policy</a>



# Agenda



- FSMA 204 Basics
- FMI Supporting the Food Industry
- GS1 US Supporting the Food Industry
  - The Importance of Unique Identification for FSMA 204
  - Industry Developed Guidance
  - Identify-Capture-Share for FSMA 204
- End-to-End Supply Chain Process Flow Example
- Benefits Beyond Regulation





### Recap: FSMA 204 Final Rule Basics



What is it and Who is Impacted?

FSMA Final Rule on Requirements for Additional Traceability Records for high-risk products outlined in the **Food Traceability** List. Includes foreign and domestic entities. Full and partial exemptions may apply.

# What is Required?

Must keep records on foods from Farm to Store/Restaurant by **production LOT**. Supply chain partners need to share records. Provide **CTEs-KDEs to FDA within 24 hours**.

Must keep a documented **Traceability Plan** 

When?

FINAL Rule Effective: January 2023

Compliance date: January 2026

Records should be maintained for 2 years

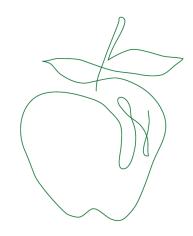


# FMI – The Food Industry Association



As the **food industry association**, FMI works with and on behalf of the entire industry to advance a **safer**, **healthier** and **more efficient** consumer food supply.

FMI brings together a wide range of members across the value chain — from **retailers** who sell to **consumers**, to **producers** who supply the food, as well as the wide-variety of companies providing critical services — to **amplify** the collective work of the industry.

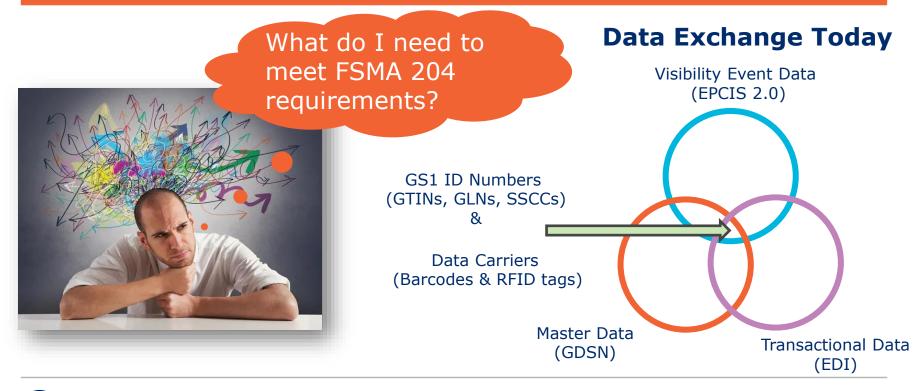


www.fmi.org



# GS1 US Supporting the Food Industry

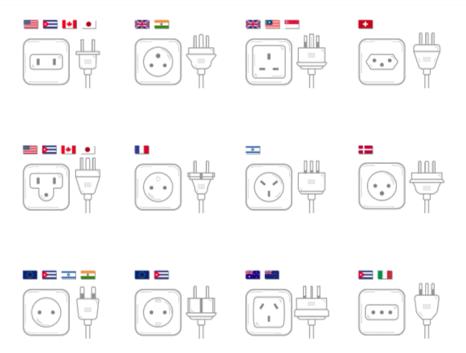






### One Common Language





The only way businesses big or small can move forward is to work together. They need to be able to understand each other anywhere in the world.

**Business requires a** common language, and we make that possible.





More than **10 billion** 

GS1 barcodes are scanned everyday 1 billion products carry GS1 barcodes.



GS1 US® serves more than 300,000 businesses in the United States.



Over
2 million companies
around the world use GS1
Standards



GS1 US serves over 25 industries including retail grocery, food service, health care, apparel, and general merchandise



More than
40 million
products are registered
by brand owners in the

by brand owners in the GS1 Global Data
Synchronization
Network™ (GDSN)



Over
45 million
GTINs are in the GS1 US
Data Hub Product Tool



GS1 is made up of 116+ member organizations

serving businesses around the world



### The Importance of Unique Identification



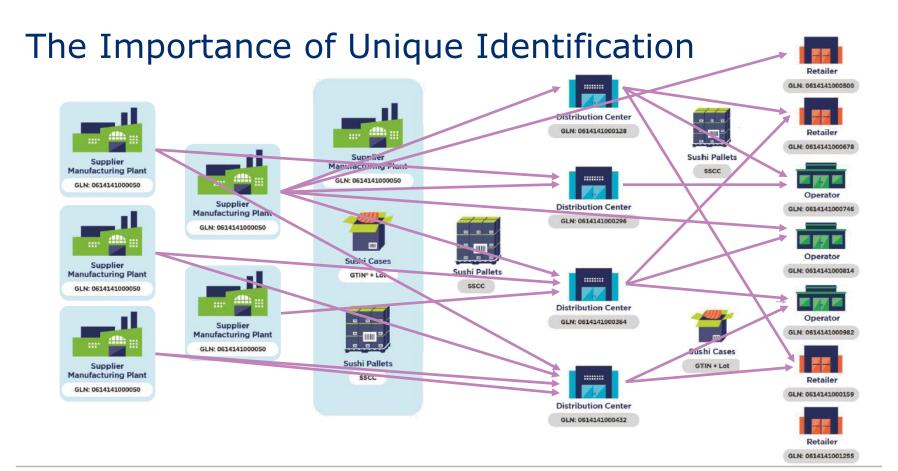
#### **Before**

Ship x product from A to B

### **Today**

How Much? Of each lot? Where? When? How can I minimize inventory? Reduce waste? Provide records within 24 hours? Provide Shipping records with plant info?





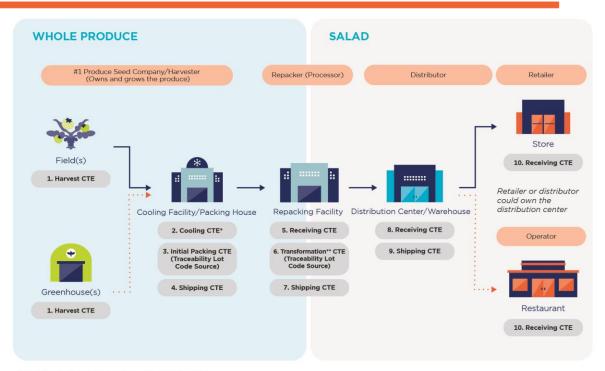


### Food Industry Collaboration



#### Started in November 2021

- Prioritized supply chain process examples
- Identified: Parties, Locations & Steps for products
- Defined FSMA Required CTEs/KDEs
- Mapped FSMA 204
   KDEs to existing GS1
   Standard



\*\*Transformation could occur over 1 or more steps



GS1 US FSMA 204 Guideline

Outlines Food Industry best practice to adopt GS1 Standards and meet FSMA 204 Requirements

Includes FDAs comments and direct links as well as other foundational resources



Retail Grocery and Foodservice

to Support FSMA 204

Application of GS1 System of Standards



### FDA Example





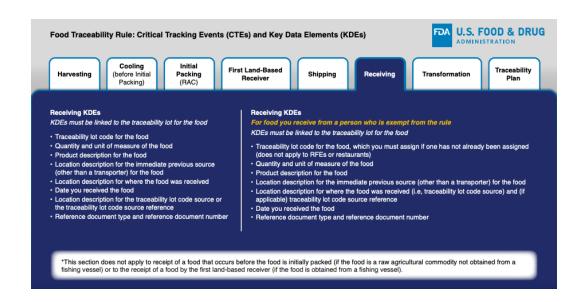
FDA Reference



#### FSMA 204 Detailed CTEs-KDEs



- 1. Harvesting
- 2. Cooling
- 3. Initial Packing
- 4. First Land-Based Receiver (Seafood)
- 5. Shipping
- 6. Receiving
- 7. Transformation



Source: FDA.gov



#### Master Data & Event Data



#### **Data Framework Example**

MASTER DATA

#### **Product Data**

- Additional Identifier: GTIN\*\*
- Product Name
- · Brand Name
- Commodity
- Variety
- · Packaging Size
- Packaging Style
- · Species (seafood)
- · Market Name (seafood)

#### GDSN\*/GDM\*

#### **Location Data**

- · Additional Identifier: GLN\*
- Business Name
- · Primary Phone Number
- · Physical Location Name
- Physical Location Address
- · Growing-Area Coordinates (farm)
- Company Contact
- Phone
- City
- State
- Postal Code

GS1 US Data Hub | Location\*

#### TRANSACTIONAL/EVENT DATA

#### **Event Data**

- Additional Identifiers: GTIN, GLN, SSCC\*
- · Event Date
- · Quantity & Unit of Measure
- · Reference Records
- · Product & Location Descriptions
- · Traceability Lot Codes
- · Assignment Method
- · Point of Contact
- Reference Record Type
   Identifier

EPCIS/EDI\*

\*Denotes possible use of GS1 Standards for FSMA 204



### Identify, Capture, Share





- Product

  GTIN
- Pallet SSCC
- Location/Party
   GLN



#### **Capture**

Data carriers that allow for the addition of lot codes:

- **1D** i.e., *GS1-128*
- i.e., GS1 Data Matrix, QR Code with GS1 Digital Link
- RAIN RFID



#### Share

- Product Data Exchange

  GDSN
- Location Data Exchange
  Data Hub Location
- Event Data Exchange EDI, EPCIS



### GS1 Unique Identification







### **Capture:** GS1 Data Carriers





**GS1 Data Carriers** are capable of holding varying amounts of data to accommodate different needs such as Batch/Lot information and expiration dates.



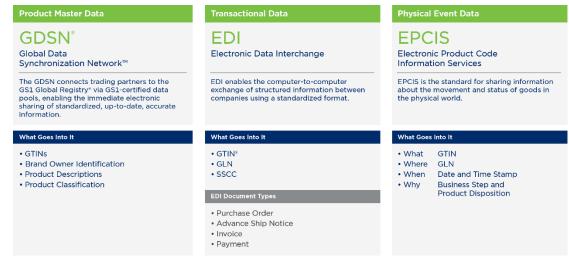


## **Share:** GS1 Data Exchange





Interoperability, made possible by identification standards, data capture standards, and **data exchange standards**, allows product information to flow through the supply chain.





## Following the Food Supply Chain









Distributor/Restaurant places an order with the supplier.

The supplier's plant packs and labels cases with GS1-128 barcodes.

EPCIS helps capture all ingredients that go into a salad and the final product GTIN, Date, Lot that go into the barcode.

Cases are assembled onto pallets that are labeled with unique Serial Shipping Container Codes (SSCCs) and bound for the retailer/restaurant's distribution center (DC).



# Following the Food Supply Chain







The Advanced Ship Notice (ASN) listing the order's Global Trade Item Numbers (GTINs), quantity, and other useful information can be sent to alert the DC of the pending arrival.

The DC can scan the SSCC (if present on the pallet) to compare the information provided on the ASN. If an SSCC is not present, DC scans GS1-128 barcodes on cases for inventory and receiving accuracy.

The DC divides the shipment for delivery to the stores or restaurants that have requested the item—each individual retailer/restaurant is identified by a Global Location Number (GLN). Each delivery is tied to the original supplier's GTIN, date, and batch/lot information.



# Following the Food Supply Chain



As shipments of the item arrive in stores, the GS1-128 barcodes can be scanned to manage inventory, address quality complaints, or identify impacted product in case of withdrawal.

#### **GS1 Standards at Work**

- Help meet regulatory requirements
- Conduct rapid, targeted recalls
- Customer Trust
- Transparency
- End to End Supply Chain Visibility
- Improved Inventory Management



#### **ROI**

#### **Information**

- · Accurate information drives sales
- Clean data saves time, money, and resources

#### **Product**

- Less product waste
- Ability to better identify affected lots for recall
- Better freshness management

#### **Process**

• Greater efficiency/transparency via automation

#### **Consumer Engagement**

- Brand loyalty
- Additional safety









#### **GS1 US Resources**

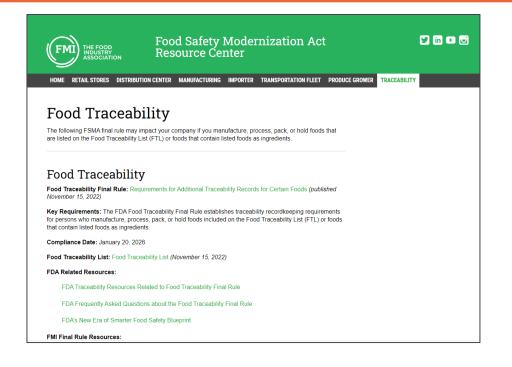






#### FMI Resources



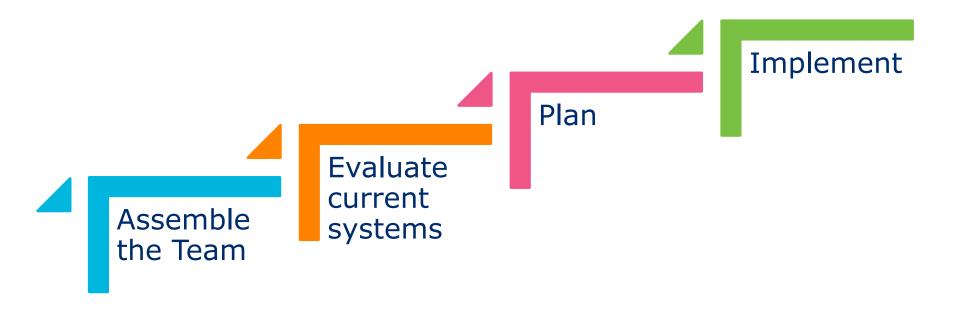






### How to get started







### Up next in series



- August 16: The Why: Driving Business Value Beyond FSMA 204 Regulatory Compliance
- August 23: The What's Next: Preparing to Meet FSMA 204 Requirements - Tools and Resources
- August 2: The What: Understanding the Basics of FSMA Rule 204: Webinar recording





## Questions



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