



The Global Language
of Business

Food Safety Modernization Act

FSMA Rule 204 Basic Guidance for Compliance for Suppliers, Distributors, Retailers, and Restaurants Creating, Sharing, and Receiving Key Data Elements (KDEs)



01 Identify Products on the Food Traceability List

Identification of:

- Products subject to the rule
- Products that are subject to the rule but have been through a “kill step” or are not covered for other reasons

Share identified products via:

Best Practice: GS1 Global Data Synchronization Network™ (GDSN®). Requires FSMA Rule 204 attribution for FTL flag and exemptions/kill steps.

- Trading partner portals
- Excel spreadsheet
- Other agreed-upon method

02 Create Case and Pallet Labels

Pallet Label Minimum Requirement:

Serial Shipping Container Code (SSCC)
encoded into a GS1-128 barcode



Case Label Minimum Requirements:

- Product identification: Global Trade Item Number® (GTIN®)
- Batch/Lot number
- Best practice is to also include date code and voice pick code
- All data elements above encoded in GS1-128 barcode (with exception of voice pick code)

Note: There are emerging technologies to consider as you are upgrading your system(s), such as 2D barcodes and radio frequency identification (RFID). These should be reviewed and considered, as additional digital capabilities can be realized.

03 Send Shipping KDEs to Trading Partners

Minimum Requirements for Shipping Data:

- Pallet ID: SSCCs
- Case IDs: GTINs
- Batch/Lot: Traceability lot code (GTIN + batch/lot)
- Traceability lot code source: Global Location Number (GLN)



Additional data may be requested, including:

- Product dates
- Product information
- Quantity
- Voice pick code

Share shipping information via:

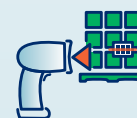
Best practice: EDI, Advance Ship Notice (ASN)
(EDI 856*) transaction

- Trading partner portal
- API
- Excel spreadsheet
- Other agreed-upon method

04 Receive Shipping Data Into System

Minimum Requirements for Receiving Shipping Data:

- Best practice is to consume shipping KDEs electronically via the ASN transaction; no manual entry
- Scan pallet ID: SSCC and validate accuracy of ASN
- Ensure that all KDEs are captured and stored (Step 3)



Manual Method

- Scan pallet ID: SSCC
- Validate accuracy of shipping KDE data
- Enter data into the inventory system

Note: If receiving cases (not pallets), minimum data capture includes what is listed in Step 2. And if lot code is not provided for an FTL item received, one should be created by the receiver.

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*All references to ASN or EDI 856 refer to X12's Supply Chain Transaction Standards. For more information, refer to x12.org/products/transaction-sets