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FOOD INDUSTRY

Get Ahead of

FSMA 204
COMPLIANCE

Through Proven IoT
Traceability Solutions

WHAT DOES FSMA 204 COMPLIANCE MEAN FOR YOU?

The Background

The Food Industry has new traceability requirements to help identify recalled foods quickly, before they reach consumers.

Companies will now need to have records of Critical Tracking Events (CTE) and Key Data Elements (KDE) for any items, cases, or pallets.

Stakeholders must record, keep, and send KDEs to the next trading partner in the supply chain. Depending on their role, the elements stakeholders are responsible for vary.

Grower

- GPS or the latitude/longitude of the location where the food was grown and harvested
- Statement that the grower is a farm
- Dates and time of harvest, cooling, and packing
- If a grower is not an originator, the originator's location identifier and description
- If the grower does not do the harvesting, cooling, or packing, it must report details of who did that work, including their name, contact information, location identifier, and location description

Shipper

- Entry number(s) (if the food was imported)
- Traceability lot code generator location identifier, description, point of contact
- Shipment reference record type(s) and number(s) containing shipping KDEs
- Transporter name

Traceability lot code for:

- Food
- Quantity and unit of measure
- Traceability product identifier and product description
- Location identifier and location description of the immediate subsequent recipient
- Shipping location identifier and description
- Date and time the food was shipped

Receivers

Traceability lot code for:

- Immediate previous source location identifier and description
- Entry number (if imported)
- Receiver location identifier and description
- Receipt date and time
- Quantity received and unit of measure
- Traceability product identifier and description of product received

- Traceability lot code generator location identifier, description, and point of contact
- Reference record type(s) and number(s) for documents containing receiving KDEs
- Name of transporter

First Receiver
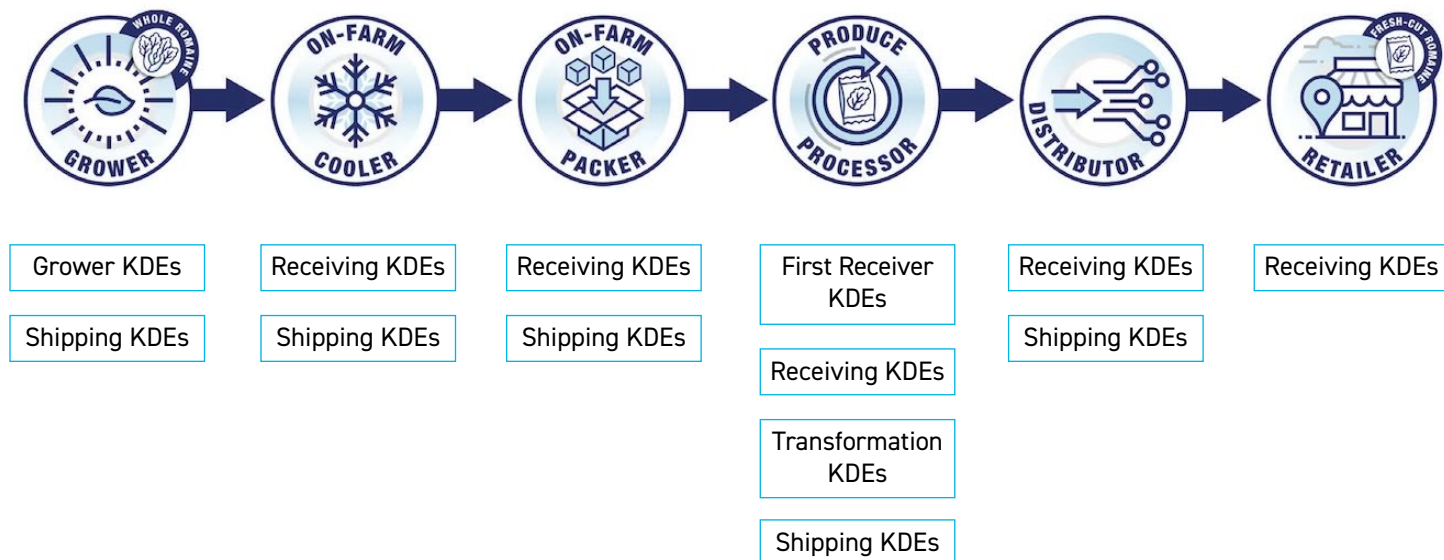
Traceability lot code linked to:

- Originator location identifier and description
- Name/phone number/harvester point of contact
- Date/time of harvest
- Location identifier and description of cooler
- Date/time of cooling
- Location identifier and description of packer
- Date/time packing

Transformation

Traceability lot code linked to:

- Traceability product identifier and description of food used
- Quantity of each traceability lot of food used
- Transformation location identifier and description
- Transformation completion date
- New traceability product identifier and description
- Quantity and unit of measure of the food produced
- Reference record type(s) and number(s) containing transformation KDEs

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CTE and KDE Romaine Lettuce Example

Grower KDEs	Receiving KDEs	Receiving KDEs	First Receiver KDEs	Receiving KDEs	Receiving KDEs
Shipping KDEs	Shipping KDEs	Shipping KDEs	Receiving KDEs	Shipping KDEs	
			Transformation KDEs		
			Shipping KDEs		

Source: FDA

What does this mean for you?

While it is still acceptable to manually document traceability for the FDA, it is important to note that processors will only have 24 hours to send all records involved to the FDA in the case of a recall. Records need to be in a sortable spreadsheet containing all the required information for Critical Tracking Events.

This is why tech-enabled traceability is the preferred route for many. The investment in technology to comply with these standards become worth while when considering the valuable time it saves with automation, especially with the industry's labor challenges.

However, data gathering isn't the only hurdle. Its the compiling and sending of the data to the FDA that can be the heavy lift when a recall happens.

On-boarding new suppliers without a technology solution can also prove cumbersome without established documentation procedures for what and how they will send the information.

When transforming or creating something using multiple ingredients with different lot codes, transferring that information through the production process can be challenging.

To further create headaches, when certain ingredients are not available and end up being replaced, everything will need changed.

Automated traceability enables these scenarios to be easily dealt with when they arise, saving time, money, and potentially even customer loyalty.

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How can RTI support you in this initiative?

Real Time Intelligence currently tracks over 220 million assets throughout the food supply chain and that number grows daily.

Our users benefit from a traceability and intelligence platform that is globally proven and performing at the highest level of supply web scale, complexity, volume, and velocity.

eP360 allows you to create and maintain intelligent traceability records through passive data collection using sensor-based technology while performing everyday functions.

Get accurate data surrounding items on the FDA's Food Traceability List (FTL), reusable packaging (trays, totes, racks, containers), and other supply chain assets.

By utilizing information collected while checking the compliance box, your company, partners, and other key stakeholders can profit from an advanced level of analytics, while monitoring KPIs.

eP360 has been created, exercised, and refined by customers and industry experts to increase performance metrics and provide deeper insights, evolving far beyond track and trace.

3 REASONS TO CHOOSE eP360

1 The agile nature of our solution fills the gaps between existing operational systems, no matter the size—a modernized solution tailored to your needs and existing infrastructure.
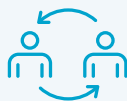
2 eP360 is designed to encourage collaboration, accountability, and visibility throughout your supply and value chains.

Network trading partners are working toward the same goals, sharing in the value and savings, and mutually benefiting from the depth of visibility and control.

3 RTI's solution is quick to deploy and even easier to manage and integrate with your current systems and processes.

Other Key Features

- Conforms to GS1and EPCIS standards
- Easy-to-use interface
- Secure cloud platform
- Secure user access

- Open API
- Data can be made available to third parties for auditing
- Mobile application to easily add CTEs and KDEs from anywhere

- Tags provide a unique identification number for each asset
- Scorecards allow companies to see suppliers activity

Where will you see ROI?

60% REDUCTION IN LOST ASSETS

- Quickly locate items for recall, minimizing down time and maintaining customer loyalty
- Understand which farms are producing the best/worst results

- Through passive IoT solutions you can remove human effort and error by automating manual excel tracking entries to a secure cloud structure
- Reduce time spent managing the transfer of CTEs and KDEs during the transformation process
- Minimize labor to adjust records for last minute ingredient changes
- Reduce labor onboarding new suppliers with a streamlined process
- Minimize loss of trays and other RTIs by tracking throughout the supply and value chains

- Associate product to tray to help alleviate shrinkage, track spoilage, other product to tray metrics
- Reduce/eliminate semi-annual returnable transport item purchases
- See CTEs including the shipping and receiving of items, quality inspections, and safety test results.
- Report on granular KDE details like weight, quality, location, etc.
- Decrease labor spent locating and rerouting trays—balance pools
- Drive down cycle days for more asset turns/year

Contact us today to see how much eP360's visibility can save you!
info.rtintel.com/fsma204