



Apparel & General Merchandise

Solve the Pain of Claims Compliance with RFID

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Agenda



Introductions

The Pain of Claims

Solving the Pain of Claims



Speakers





Jonathan GregoryDirector of Community
Engagement, GS1 US

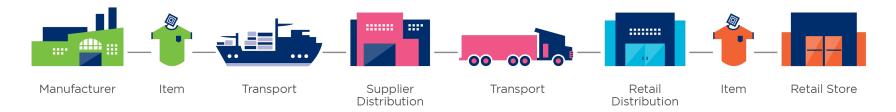


Justin PattonDirector, Auburn
University RFID Lab



Retail Pain Points





\$98B
Counterfeiting

\$35B Claims \$47B Shrink

*Data from FY 2017, per CHIP Whitepaper



Supply Chain Claims & Causes



\$35B Claims Yearly

Full Case Shortage



Partial Case-Pack Shortage





Effects of Case-Pack Accuracy



Case-Pack Inaccuracy







- Claims costs + associated labor
- Low inventory accuracy
- Inability to fulfill sales
- Difficulty with **omnichannel** picks
- Cost of substitution
- Poor replenishment cycles



Southern Fried Cotton Case Study



Successful EPC/RFID solution deployment achieves high levels of order accuracy and operational efficiency



https://www.gs1us.org/sfc

After RFID deployment, chargebacks were reduced by 98.8%—improving accuracy, delivering a solid ROI and payback in less than eight months.



Claims Compliance Workgroup



Workgroup Stats:

- Started April 2021
- Published guideline April 2022
- 57 people from 33 organizations

Workgroup Findings

- Reliability of source scan-pack data
- Can leverage source data for downstream inspection
- Factory/source DC benefits: labor savings, process control,...
- GS1 Standards as key enabler







Distribution Center Evaluation



Factory Scan-Packed Cartons

- 43 Cartons (2 pallets)
- 60 items per carton
- 2,580 items in total
- Factory scan-pack data
 - EPC/SGTIN (Item ID)
 - SSCC (Carton ID)





RFID in Motion







Case-Pack Accuracy Across the Supply Chain





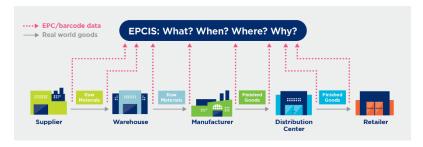


Electronic Product Code Information Services



Electronic Product Code Information Services

- GS1 Global Standard for creating and sharing visibility event data
- What products are impacted?
- When did this event occur?
- Where was the product, where is it now?
- Why was this observed, which process step?









How do we **share event data** with trade partners?



EPCIS: What, Where, When, Why





Factory

Validated Scan-Pack Data

eventTime: "2020-11-12T20:35:28.114-06:00"

eventTimeZoneOffset: "-06:00"

parentID: "urn:epc:id:sscc:0614141.0123456789"

childEPCs:

epc: "urn:epc:id:sgtin:0614141.107346.2017"

epc: "urn:epc:id:sgtin:0614141.107346.2018"

epc: "urn:epc:id:sgtin:0614141.107346.2019"

epc: "urn:epc:id:sgtin:0614141.107346.2020"

epc: "urn:epc:id:sgtin:0614141.107346.2021"

bizStep: "urn:epcglobal:cbv:bizstep:packing"

disposition: "urn:epcglobal:cbv:disp:in_progress"

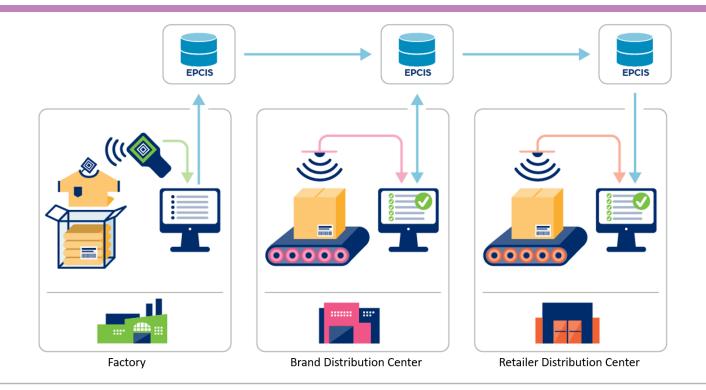
readPoint: "urn:epc:id:sgln:0614141.00000.100"

bizLocation: "urn:epc:id:sgln:0614141.00000.0"



Guideline Architecture







Solution Approach

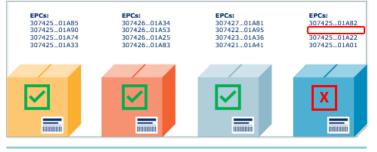














Factory
Validated Scan-Pack Data



Brand Distribution Center Conveyor Validation



EPCIS Data Repository





Resources



- Southern Fried Cotton Case Study
 - https://www.gs1us.org/sfc
- Claims Compliance Guideline
 - https://site.gs1us.org/rfid-claims-compliance-guideline.html
- Supplier RFID Orientation
 - https://site.gs1us.org/RFID-success.html
- Auburn University RFID Lab, CHIP Whitepaper
 - https://rfid.auburn.edu/papers/chain-integration-project-chip-proof-ofconcept-whitepaper/



Thank You!







Contact Information



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