SUPPLY CHAIN CONFERENCE

Connect. Transform. Deliver.

Trading Partner Alliance
FMI and GMA

April 30 - May 2, 2017
Paradise Point Resort & Spa
San Diego, CA
Modernizing the Supply Chain Through Enhanced Visibility and Operational Efficiency

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.

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

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: http://www.gs1us.org/gs1-us-antitrust-compliance-policy
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®).

In this presentation, the letters “U.P.C.” are used solely as an abbreviation for the “Universal Product Code” which is a product identification system. They do not refer to the UPC, which is a federally registered certification mark of the International Association of Plumbing and Mechanical Officials (IAPMO) to certify compliance with a Uniform Plumbing Code as authorized by IAPMO.
GS1 by the Numbers

2 million companies around the world use GS1 Standards.

More than 5 billion GS1 barcodes are scanned every day.

10 million products are assigned U.P.C.s in the GS1 US DataDriver® tool.

Over 10 million products are registered by brand owners in the GS1 Global Data Synchronization Network™ (GDSN®).
GS1 Standards

Identify GS1 Identification Numbers
- GLN Global Location Number
- GTIN Global Trade Item Number
- SSCC Serial Shipping Container Code
- EPC/SGTIN Serialized Global Trade Item Number
- GSIN Global Shipment Identification Number

Capture GS1 Data Carriers
Barcodes
- EAN/UPC
- GS1 DataBar
- GS1 DataMatrix
- ITF-14
- GS1-128

EPC-Enabled RFID Tags
- HF RFID
- UHF RFID

Share GS1 Data Exchange
- Master Data Global Data Synchronization Network (GDSN), GLN Registry
- Transactional Data Electronic Data Interchange (EDI)
- Physical Event Data EPC Information Services (EPCIS)

Interoperability
- Item Data
- Location Data
- Purchase Order
- Shipping Notice
- Invoice
- Product Recall/Withdrawal
- Pedigree
- Track & Trace
We Make **Visibility** Possible

- By providing the foundational standards for the technology behind business processes and applications
- By facilitating the exchange of common visibility data
- By helping to accurately answer the who, what, when, where, and why of a specific product’s movement
We Make **Efficiency** Possible

- By pervasively deploying GS1 Standards across the supply chain, which increases the amount of accurate data available

- By helping companies automate internal and external processes
GS1 Standards in Retail Grocery

The GS1 Standards and activities required to achieve the industry’s goals.
GS1 Standards in Retail Grocery

Together, we’re making it possible to increase supply chain visibility, improve data quality, and enhance food safety.

Key Benefits

• 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
The GS1 Standards and activities required to achieve the industry’s goals
Foodservice GS1 US Standards Initiative
Ready to Meet Consumer Demands

- Enriched Product Information for Consumers
- Business Process Efficiencies
- Supply Chain Transparency
Enhancing Efficiency & Accuracy with the Advanced Ship Notice

Michele Werrline,
Logistics Business Analyst

LAND O’LAKES, INC.
Three Diversified Businesses

Fortune 200 agribusiness and one of the largest member-owned co-op in the U.S.
3618 successful ASN’s in March
750 Direct to Customer
2868 Internal Supply Chain Network
• Managing EDI connectivity & Driving Efficiencies through Technology
  – Standardize Process
    • Across Business Units
    • Across Functional Departments
    • Technical Support
  – Radio Frequency
    • Reduce Paper
    • Gain Accuracy
  – Advanced Ship Notices
    • Reduction in Labor
    • Increased Accuracy
EDI and Barcording at a 3PL: How to Reduce Costs While Enhancing Efficiency & Accuracy

Zafer Louisa,
EDI & Quality Assurance Analyst
United States Cold Storage, Inc.
• Operating since 1889 and was purchased by Swire Group in 1982.
• Began with ice manufacturing and distribution
Where We Are and Who We Serve

- National network of 38 facilities in 13 states
- 3rd largest PRW in North America, with over 265 million cubic feet
- Over 1 million Racked Pallet positions
Traceability is about data collection.
Since 3PLs must conform to meet all the operational requirements of their customers, technologies like using barcodes and EDI can greatly improve operational efficiency, especially on the receiving side of the business. 3PL operators must develop systems to meet the varying requirements of their customers.
EDI 856, or Advance Ship Notice (ASN)

The 856 is a hierarchically structured EDI document.

- Shipment
- Order
- Tare
- Item
- Pack
3PL’s Biggest Advantages

Shipping: Single Map Per Consignee.
3PL’s Biggest Advantages

Receiving: Pallet data populates upon scanning.

- Integration with Production Plants.
- Improved Cross-docking.
- Enhanced traceability at multiple levels:
  - Item
  - Batch
  - Quantities.
  - Weights.
- Enhanced Receiving Accuracy: Exceptions are automatically flagged.
- Cost: Pallets are rarely broken down.
4 Steps to Supply Chain Traceability Using GS1 Standards

Lucelena Angarita,
IPC/SUBWAY GS1 Program Manager
40% of the QSR and casual dining industry is actively pursuing transparency and traceability.
WHO WE ARE

The world’s largest restaurant chain with 44,000 sandwich shops in 110 countries.

The SUBWAY® Franchisee-owned supply chain organization dedicated to the best value in products and services.
WHO WE ARE

We joined the Foodservice GS1 US Standards Initiative in 2010.
Traceability requires good data.
Data cleanup is a big job.
Data Quality Pays Off.

Increased supply chain efficiencies:

- $1.3 million + annual cost avoidance
- Prevention of overweight trucks
- Improved trading partner communications
Traceability Pays Off.

# of Withdrawals Per Year for SUBWAY®

- 2015: 23
- 2016: 41
- 2017: 6

Annual US cost of withdrawals: $77 billion
How to get there.
2. Use the Global Data Synchronization Network™ for single Source of Supply Chain Product Data

STEP 1
1. Assign Unique Global Product and Location Identifiers

STEP 2
3. Improve Visibility with Case-Level GS1-128 Labeling

STEP 3

STEP 4
4. Integrate Technology Solution for Enhanced Traceability
The Result: Whole Chain Traceability.
Get Started.

1. Adopt GS1 US Foodservice Standards
2. Go to GS1US.org, search for “Get Started Guide”
3. Gather the right team
4. Take advantage of industry resources
5. Contact GS1 US at foodservice@gs1us.org

GS1 US Customer Support: (937)435-3870
Panel Questions
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