

Antitrust Caution



The Global Language of Business

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>

Agenda



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Topics	Leads	Speaker
Anti-Trust, Welcome, Introductions & Agenda	GS1 US, All	9:00 – 9:15 AM
Industry Trends – What’s happening in retail	GS1 US, Auburn University	9:15 – 9:45 AM
Industry Update – Who’s doing what	All participants	9:45 – 10:15 AM
Supplier Research Study	Auburn University	10:15 – 10:35 AM
Education and Training needs	GS1 US, All	10:35 – 10:50 AM
Action Items, Wrap up & Adjournment	GS1 US, All	10:50 – 11:00 AM

Introductions

- Name
- Company
- Role/ Responsibility
- What are you interested in learning today

Agenda

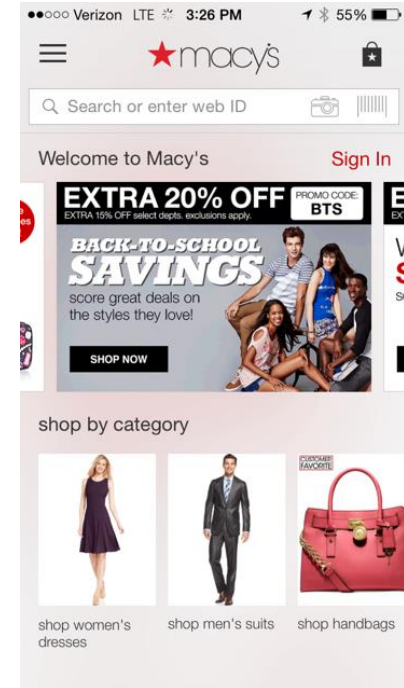


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Customers are demanding the “Always On” shopping experience

- The modern consumer expects to be served where she wants, when she wants, how she wants
- Technology and connectivity has created an arena that drives customer purchases from a variety of sources, both in store and through electronic venues
- A strategic retailer will use the entire inventory to satisfy demand



New Sales Channels

- Shop In Store
 - Shop at Home, Ship to Home
 - Shop Online at Home, Ship to Store
 - Shop Online from Store, Ship to Home
 - Shop Online from Store, Ship to Store
 - Hold at Store
 - Shipping to Home from Online Distribution Center
 - Shipping to Home from Store Distribution Center
 - Ship to Home from Store
 - Store to Store Transfers
- } Traditional

New Channels REQUIRE Higher Inventory Accuracy !



Drivers of Adoption – Retailers and Manufacturers

- The 'big four' use cases for retailers
 - Inventory accuracy
 - Out of Stock
 - Loss detection
 - Locating product
- The 'big five' use cases for manufacturers
 - Receiving Accuracy
 - Shipping Accuracy
 - Pick/Pack Accuracy
 - EPOD
 - Authentication & Anti-Counterfeiting



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RFID in the US market

- Bon-Ton
- Dick's Sporting Goods
- Dillard's
- Hudson's Bay
- JC Penney
- Kohl's
- Lord & Taylor
- Macy's
- Neiman Marcus
- Saks Fifth Avenue
- Sears Holdings
- Target
- Walmart
- *Many RBO's that operate their own stores as well as vertically integrated brands including American Apparel, Chico's FAS, Lululemon and others*

*The above named retailers have all discussed their RFID deployments being in various phases of testing/implementation during the 2015 / 2016 / calendar year.

State of the Retail Industry

Leading Categories of Implementation

Product Categories		
Bath	Dresses	Luggage
Bedding	Footwear	Pants / Slacks / Long Bottoms
Belts	Handbags	Sleepwear and Robes
Children's wear	Headwear	Small Leather Goods
Coats	Home Accessories	Socks – Dress & Basic
Cookware	Hosiery	Sportswear / Athletic
Cutlery	Innerwear - Basics	Suit Separates / Suits
Denim	Intimates	Swimwear
Designer / Collections	Jewelry	Ties / Neckwear
Dress Shirts	Kitchen Electrics	Toys / Games



Includes: Children, Men, and Women. Replenishment- and Fashion-based business

Initial Findings

RFID Adoption Plans:

- Steady state within core categories
 - Adding new vendors daily
 - Solidifying processes with staff and vendors
- Category expansion to adjacent
 - Phased approach to new category deployment
 - E-Commerce growth leading specific category expansion
 - **Highly searched items and those with limited substitution rank higher on retailer deployment plans
- Use case expansion
 - Testing and implementing

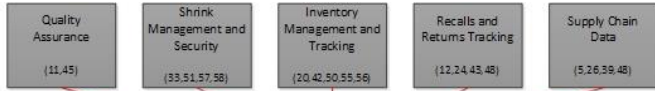
Participant Sharing

- US Market - what are brands and retailers doing
- International Market - what are brands and retailers doing

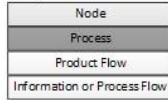
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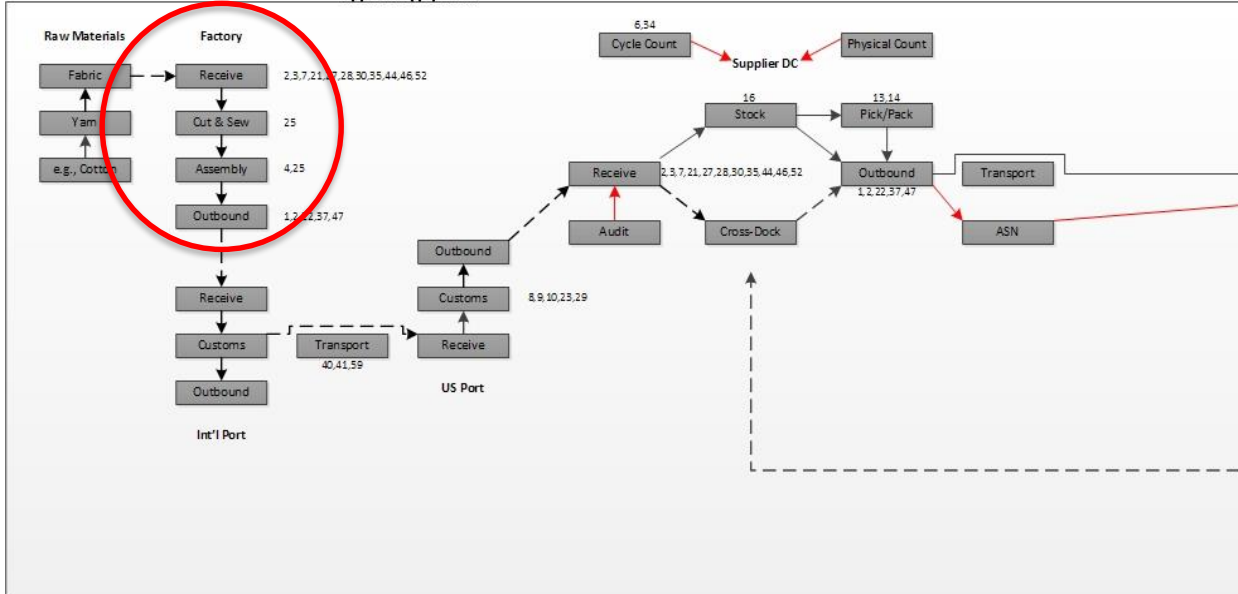
Use Cases For RFID Adoption



Legend



Apparel Supply Chain

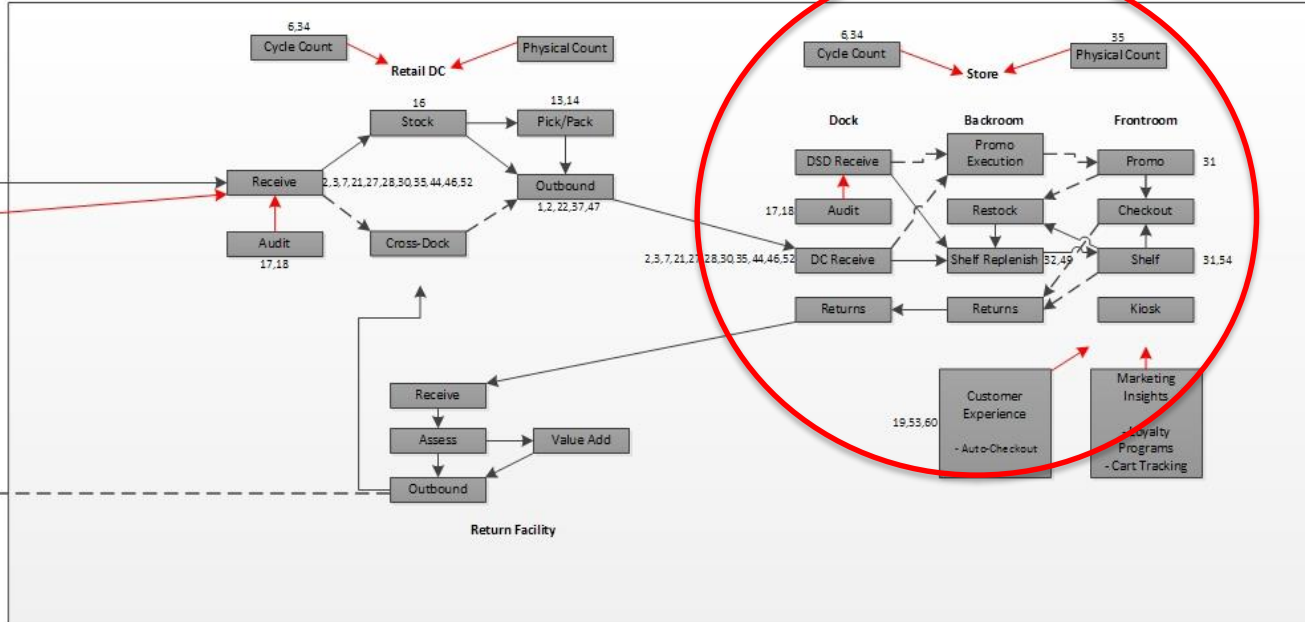
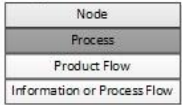


No.	Apparel Use Cases	No.	Apparel Use Cases
1	Outbound automation	31	Plan-o-gram compliance
2	Inbound and outbound audit processes	32	Shelf replenishment
3	Electronic proof of delivery	33	EAS consolidation
4	Right tag on product	34	Reduce cycle count time
5	Supply chain data quality	35	Receiving accuracy
6	Could eliminate audits & manual inventory	36	Eliminate physical inventory counts
7	Smart inspect	37	Carton accuracy
8	Country of origin	38	3rd party consolidation efficiency
9	FTZ (Free Trade)	39	Increased store PI accuracy
10	Trade agreements	40	Country specific shipping documentation
11	Traceability through supply chain	41	Country specific care labels and placement
12	Track defectives & recalls	42	Inventory tracking within DC
13	Pick/pack speed	43	Product recall
14	Pick/pack accuracy	44	Electronic proof of delivery
15	Detail of available data	45	Counterfeit tracking
16	Item level data	46	Inbound quality
17	Claims accuracy	47	Outbound quality
18	Potential to eliminate claims	48	PI accuracy
19	Brand visibility in store (integrated)	49	Shelf replenishment
20	Speed and accuracy	50	Dormant inventory reduction
21	Inbound quality	51	Reduce shrink
22	Outbound quality	52	Electronic proof of delivery
23	FTZ and first sale	53	Shopper item interest vs. purchase
24	Track returns	54	Density and space planning
25	Tracking through processing areas	55	Multi-channel inventory management
26	Drive accurate costing	56	Inventory tracking
27	Vendor pack accuracy	57	Security and shrink reduction
28	Case pack accuracy	58	Shrink due to employees
29	Source validation	59	Accurate export documentation
30	Shipping validation	60	Store to store transfers

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Current DC Learnings

- RF Data Capture
 - Portal, Tunnel, or Handheld?
- Source Tagging Accuracy
 - Fix or Notify?
- WMS Case Item Quantities
 - Exporting Data for Comparison
- Size of Value Proposition
 - What portion of claims can we resolve?

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Next Steps

Adoption Support

- Peer-to-Peer
 - 1:1 P2P outreach (calls / face-to-face meetings)
 - Group P2P workshop with department stores/other categories
 - ROI validation research (industry/academic/technology)
- 1:1 Statement of Work Support
 - Deployment support (Vendor roll-out)
 - Use case / Project proof-of-concept support
- Marketing / Communications
 - Case studies, Infographics, Industry Webinars, Public Speaking, Industry trade publications and vast media input for articles.

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Contact Information

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