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www.gs1us.org/gs1-us-antitrust-compliance-policy

Agenda

- What is GS1?
- Discuss Target's Approach to Using Stores as Hubs
- COVID Learnings
- Optimizing Fulfillment
- Review recent survey findings on Supply Chain Digitization

Meet the Speakers



Jo Anna Stewart
Sr. Director, Commercialization
GS1 US



Craig Peroutka
Senior Director, Enterprise Item
Center of Excellence
Target Corporation



Brian Gibson, PhD.
Professor of Supply Chain,
Auburn University

CSCMP Board Chair

The Global Language of Business

GS1 Standards make it possible to **identify**, **capture**, and **share** information automatically and accurately about products, business locations, and more. This way anyone who wants that information can understand it, no matter who or where they are.



Identify



Capture



Share

Who We Are

- Neutral and not-for-profit
- User-driven and governed
- Global and local
- Inclusive and collaborative



**We bring
communities
together.**

More than 6 billion

GS1 barcodes are scanned every day.

25 million

products are assigned U.P.C.s in the
GS1 US Data Hub | Product tool.

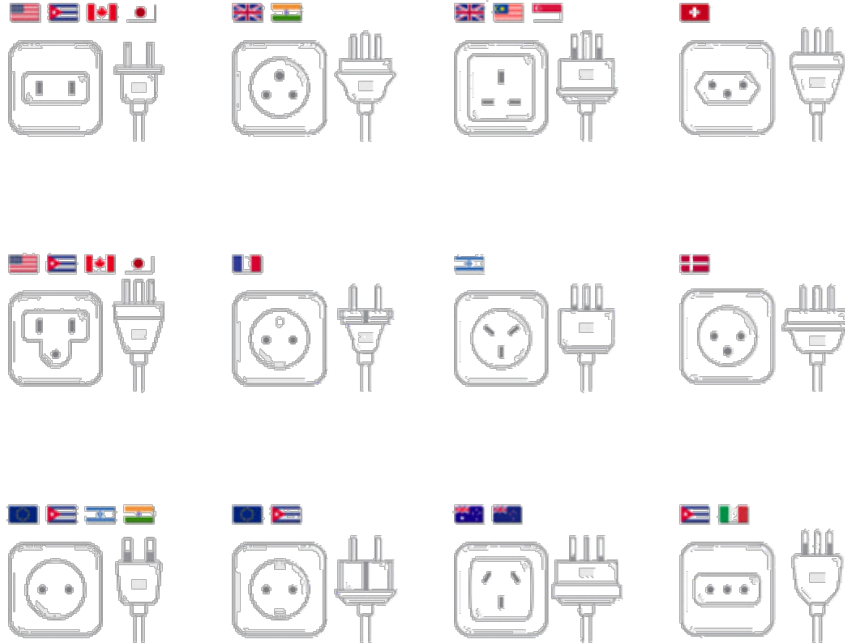
1.5 million

companies around the world use
GS1 Standards.

More than 30 million

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

One Common Language



The only way businesses big or small can move forward is to work together. They need to be able to **understand each other** anywhere in the world.

Business requires a common language, and we make that possible.

Target – Stores as Hubs



Order Pickup



Drive Up



Same Day



Delivery From Store



COVID Learnings

Fresh Grocery Pickup



Adult Beverage



GS1 Standards were the foundation



Chasing Product

Product Visibility



Optimized Fulfillment: Improving Profitability



Source: [Autonomous Retail White Paper](#)

The Path Forward










[Video](#)

Retail Shifts Accelerated by COVID-19

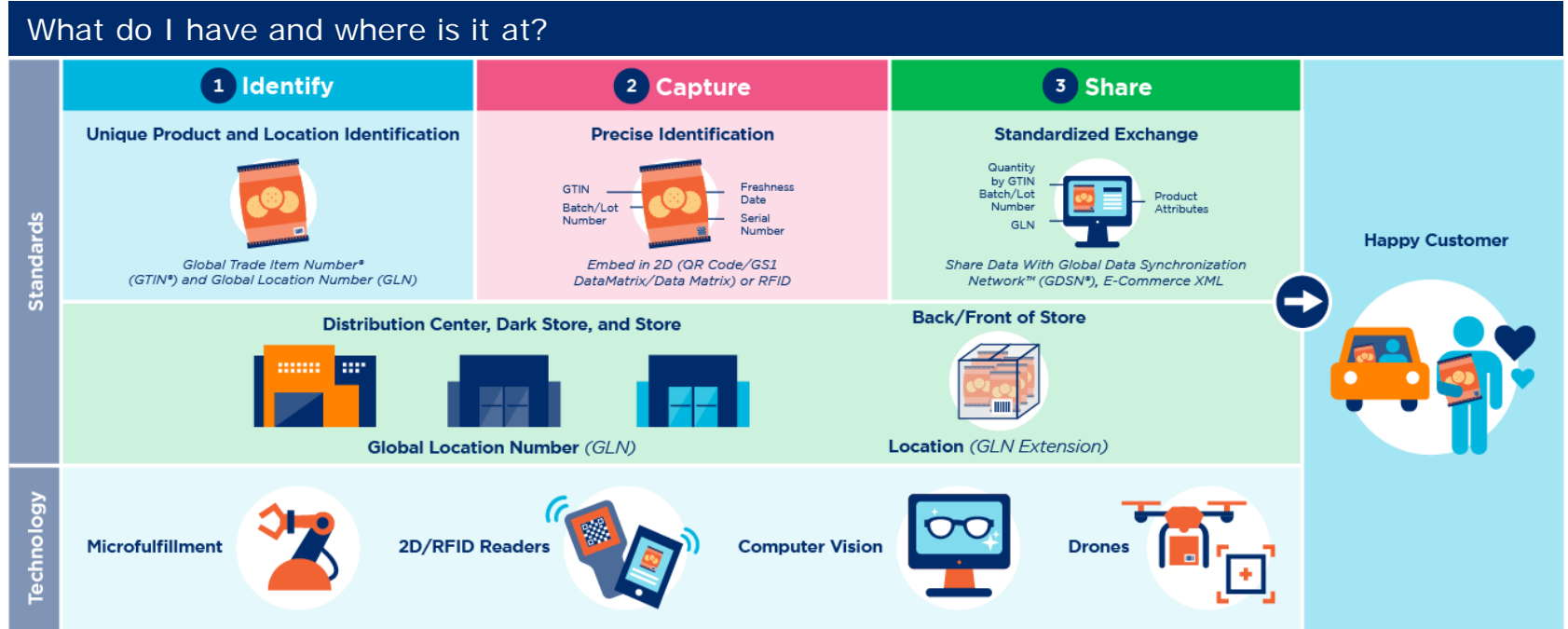
The “future store” is happening now

- Retail has pivoted online
- Customers expect a seamless path to purchase and fulfillment
- Supply chains must handle disruption across almost every aspect of structure and performance
- Visibility has become the number one topic of interest

Omnichannel Complexity Is on the Rise		
	Pre-COVID-19	Post-COVID-19
 Right time	Days	Within hours
 Right place	DCs	Consumers (stores becoming DCs)
 Right price	Important	Greater willingness to pay for convenience/speed
 Right product	Limited assortment in bulk quantities optimized for large-scale logistics	Endless aisle, late-stage configuration, and a customer “n” of 1
 Right quantity	Pallets	Eaches
 Right customer	Primarily B2B	D2C
 Right condition	Important	Perfect; no tolerance

Source: [Autonomous Retail White Paper](#)

Standards + Technology



Source: [Autonomous Retail White Paper](#)

Challenges of Inventory Visibility

Challenges

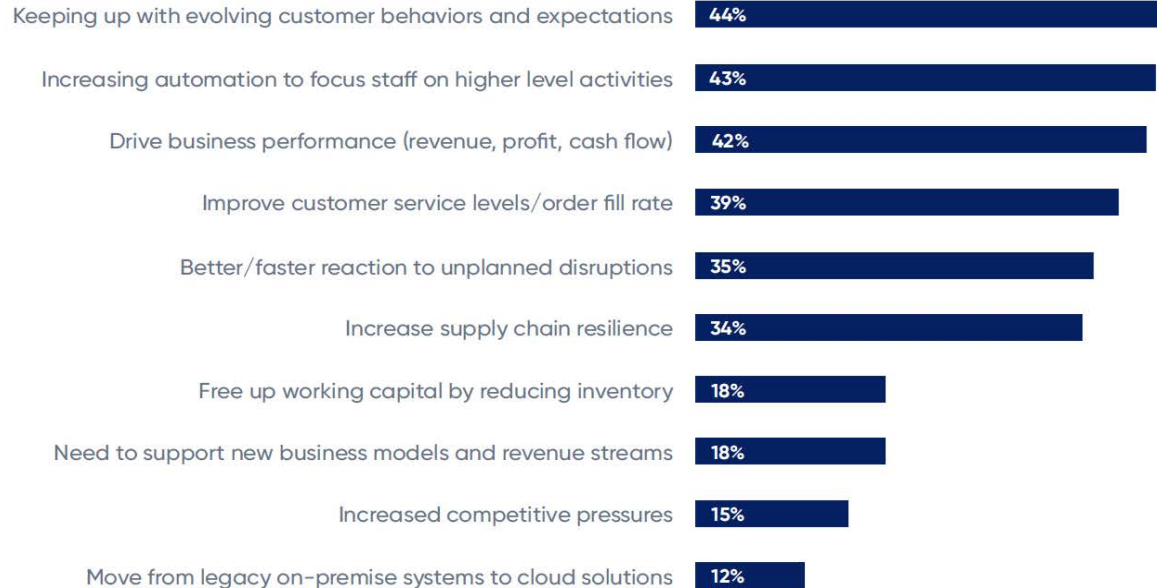
- End-to-end visibility
- Real-time inventory data
- Data quality
- Correct information
- Vendor shortages

Impacts

- Product delays
- Inaccurate fulfillment
- Retailer switching
- Slow activation of new suppliers

Source: [Autonomous Retail White Paper](#)

What are the Key Drivers of Digital Transformation?



Figures add to more than 100% due to multiple responses.

Source: Digital Transformation in Supply Chain Planning: 2021, presented by CSCMP and ToolsGroup

Auburn Survey Results/Discussion

The State of Supply Chain Digitization



"Having a profound knowledge of your business and then using it to take friction out of the experience between your customer and your business."

Auburn Survey Results/Discussion

Supply Chain Digitization Priorities

"We want our supply chain to have the ability to use demand management and allocation tools to read individual store demand and adjust inventory, recognize online and retail demand needs, and solve for what will deliver the greatest yield."

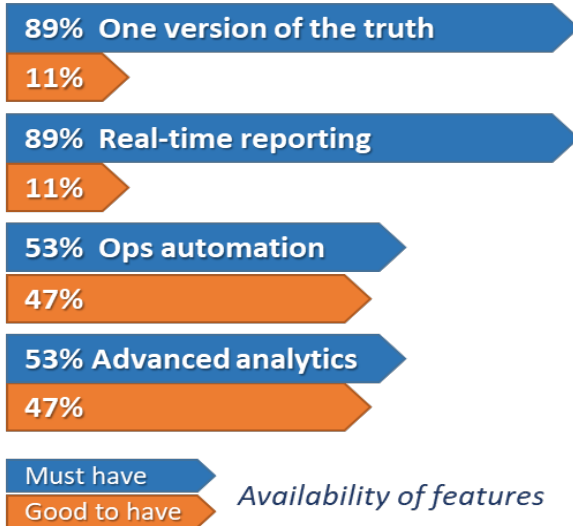
SCM digitization should lead to...

- 1 Data-driven decisions
- 2 Enhanced customer service
- 3 Reduced SC costs
- 4 Increased service speed

Auburn Survey Results/Discussion

Supply Chain Digitization Capabilities

What do you expect from digitization tools?



"Digitization knits together a better end-to-end world in which we are using data with artificial intelligence and predictive analytics capabilities to better manage our processes."

What's Standing in the Way?



Figures add to more than 100% due to multiple responses.

Source: Digital Transformation in Supply Chain Planning: 2021, presented by CSCMP and ToolsGroup

How Has COVID-19 Influenced Your Supply Chain Digitization Strategy?

Accelerated our supply chain digital transformation

42%

No effect on our supply chain digital transformation

26%

Shifted digitization priorities

17%

Significantly delayed our supply chain digital transformation

8%

Put our transformation plans on hold temporarily

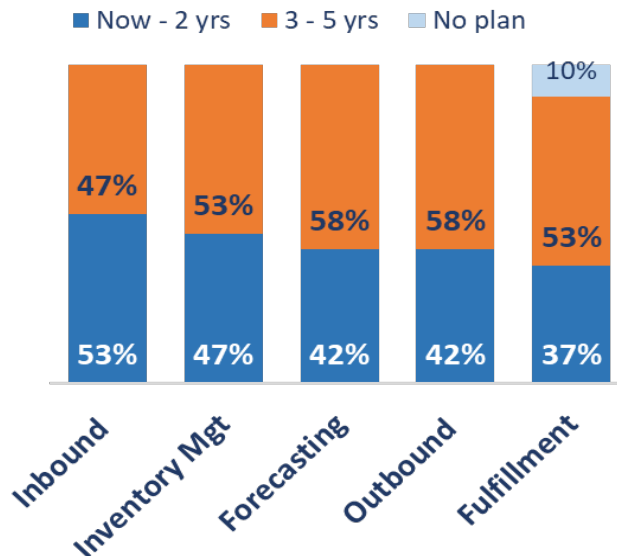
8%

Auburn Survey Results/Discussion

Supply Chain Digitization Timeline

"In pockets of the company, we are digitizing functions. But it's got to be an end-to-end ecosystem and we have a long way to go."

When will you deploy digitization tools?





“Companies start a digital transformation, but it’s never truly over. A true digital transformation is a state of mind for a company to continually evolve and adopt new digital solutions.”

Blake Morgan, Forbes.com

Source: Digital Transformation in Supply Chain Planning: 2021, presented by CSCMP and ToolsGroup

Key Takeaways...

- ❖ Target's success enabled by all of their fulfillment capabilities – everything is centered around their guest
- ❖ GS1 US documented how retail has pivoted online with higher customer expectations & where product visibility has become the #1 topic of interest
- ❖ Validated by Auburn's survey where 95% have done something toward supply chain digitization

Questions

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Additional Resources

Resources

For additional tools, videos, guidelines, and other resources, visit www.gs1us.org/visibility or search our [Resource Library](#)

Retail Inventory Visibility



Video
Watch the RFID Powers the Shopping Experience

Helpful Tips
Learn when and why to consider RFID

Webinar
RFID 101 for Any Business

Resources
Video Series: 3 Steps to RFID Success

Online Education & Training



Education & Training
GS1 Foundations

Education & Training
GS1 Standards for DSCSA Suppliers

Education & Training
GS1 Standards for Food Traceability

Education & Training
GS1 Standards for U.S. FDA UDI

Food Safety & Traceability



Video
Benefits of Traceability

Resources
Food Safety and Standards

Resources
Fresh Foods Management Solution

Case Study
IPC/Subway Delivers the Promise of End-to-End Traceability Throughout the Subway System

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