GS1 presentation to the ICC DSI Industry Advisory Board

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GS1 – the global language of business

GS1 is a global standards organisation

Neutral and not-for-profit

User-driven and governed

Global and local

Inclusive and collaborative

115 local member organisations
>2 million member companies

GS1's purpose

GS1 provides a common foundation for business by

- uniquely identifying
- accurately capturing
- automatically sharing
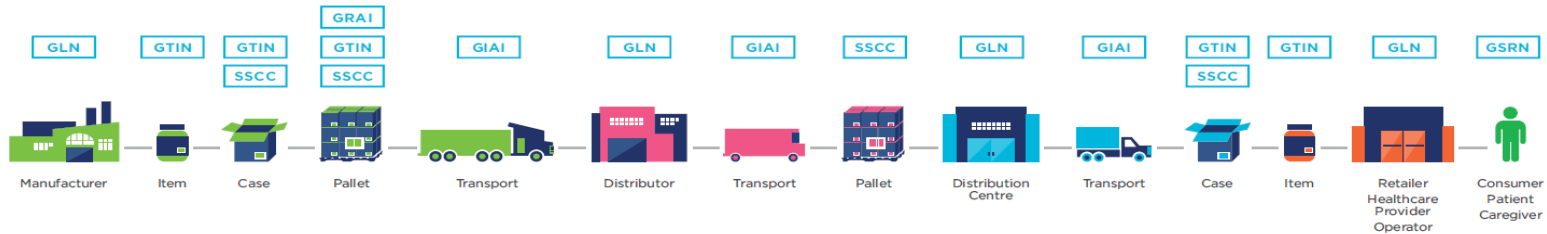
vital data about products, locations and assets.

How could the DSI program contribute to GS1's purpose?

1. Help improve **data quality**: good quality digital data is a critical success factor to any technology implementation

2. Increase **education** and awareness to help Users adopt the standards and technologies that meet their needs

Standards already available for supporting the DSI program (B2B and B2G) objectives

Identify: GS1 Standards for Identification

GLN Global Location Number   **GTIN** Global Trade Item Number   **SSCC** Serial Shipping Container Code   **GRAI** Global Returnable Asset Identifier   **GIAI** Global Individual Asset Identifier   **GSRN** Global Service Relation Number

Manufacturer — Item — Case — Pallet — Transport — Distributor — Transport — Pallet — Distribution Centre — Transport — Case — Item — Retailer Healthcare Provider Operator — Consumer Patient Caregiver

Capture: GS1 Standards for Barcodes & EPC/RFID

GS1 Barcodes   **GS1 EPC/RFID**

EAN/UPC   GS1-128   ITF-14   GS1 DataBar   GS1 DataMatrix   GS1 QR Code   GS1 Composite Barcode   EPC HF Gen 2   EPC UHF Gen 2
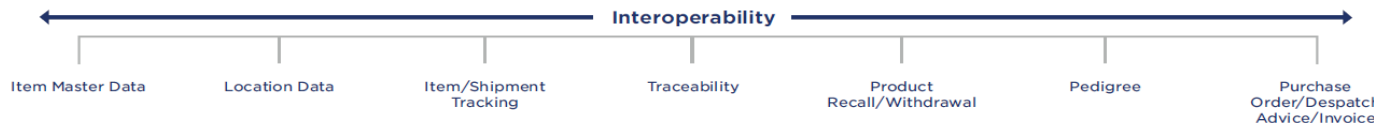
Share: GS1 Standards for Data Exchange

Master Data Global Data Synchronisation Network (GDSN)   **Transactional Data** eCom (EDI)   **Event Data** EPC Information Services (EPCIS)

Interoperability

Item Master Data   Location Data   Item/Shipment Tracking   Traceability   Product Recall/Withdrawal   Pedigree   Purchase Order/Despatch Advice/Invoice

Business processes that would benefit from further standardization in the digital supply chain

MANUFACTURER — PALLET — TRANSPORT — PORT OR HARBOUR — TRANSPORT — CUSTOMS — PORT OR HARBOUR — CONTAINER — TRANSPORT — LOGISTIC SERVICE PROVIDER DISTRIBUTION *CENTRE* — TRANSPORT — PALLET — RETAILER — CONSUMER

1. All business processes can benefit from using standards
2. We need to collaborate with industry to ensure implementation of existing standards – working jointly on simplification and with clear guidance

GS1®

GS1: My Expectations of the ICC DSI Advisory Board

- Help the ICC DSI Teams to:

    1. Focus on the sectors and business processes that could get early benefits
    2. Set priorities based on the sector requirements.
    3. Deliver fast and with quality: crawl, walk and run to gain early credibility and trust
    4. Use business language that we can all understand. A common global vocabulary of concepts could help