

Pharma, Medical Device and Foodservice RFID Labels Using GS1's Tag Data Standard 2.0 and Their New Guidelines

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Meet the Speaker



Chris Brown
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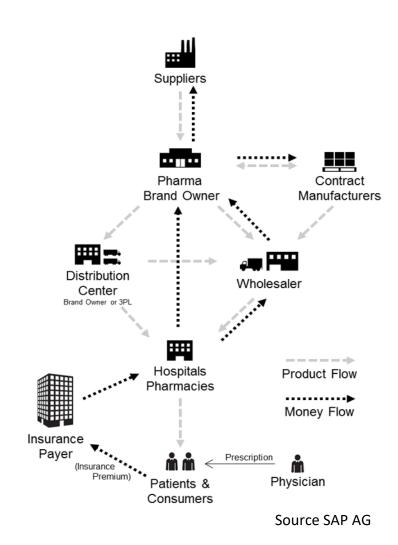
Background

- The issue of "Tag Clutter"
 - Tags from one application interfering with another application
 - Too many tags in a read-zone to process in allotted time
 - Tags must be encoded per a standard to avoid Tag Clutter



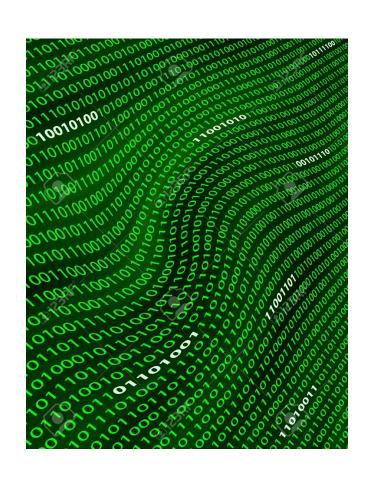


- The issue of interoperability, "decodability"
 - Multiple trading partners
 - Regulatory authorities
 - Tags must be encoded per a standard to support interoperability





- The issue of "efficient encodings"
 - Fewer bits = cheaper chips / tags
 - Fewer bits = faster reads
 - Fewer bits = fewer over-air errors
 - Key item attributes "on-tag" (versus in database)
 - Encodings must be technically efficient yet support sufficient item attributes "on-tag"





- AIM, GS1 and RAIN meetings with Healthcare, Foodservice and regulatory authorities
 - Application requirements clarified and agreed upon
 - Key item attributes "on-tag"
- Regulatory authorities
 - No RFID requirements yet but not opposed
 - I am not speaking to specific regulations or requirements
 - FSMA 204 (USA): food traceability "one up and one down"
 - DSCSA (USA)



- GS1 US publishes two new guidelines
 - "Implementation Guideline for RFID in Healthcare Manufacturing"
 - "GS1 US RFID Foodservice Implementation Guideline"







Healthcare – Pharma Products

- Key item attributes
 - Manufacturer
 - Item / product
 - Unique serial number
 - Batch / Lot number
 - Date value (manufacture, expiration, best before, etc.)





✓ NDC code

☑ Expiration date

✓ Lot number

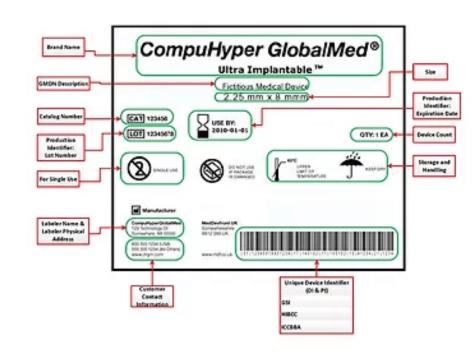
✓ Serial number

Source Fresenius Kabi



Healthcare – Medical Device

- Key item attributes
 - Manufacturer
 - Item / product
 - Unique serial number
 - Batch / Lot number
 - Date value (manufacture required in USA, expiration, best before, etc.)

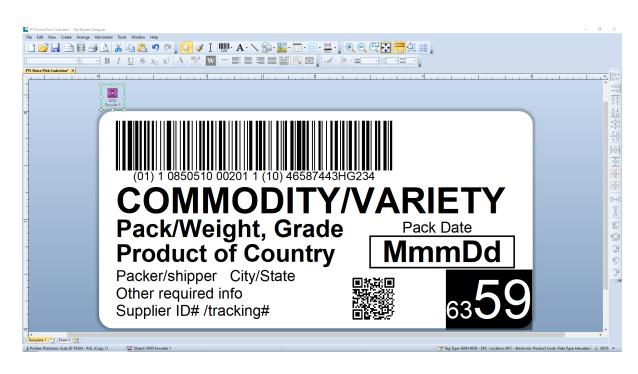


Source Xerafy



Foodservice

- Key item attributes
 - Manufacturer
 - Item / product
 - Unique serial number
 - Batch / Lot number
 - Date value (expiration, best before, production, etc.)



"PTI" Case Label in BarTender Label Software



GS1 TDS 2.0

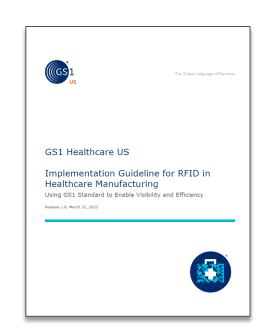
- Multiple new "Encoding Schemes"
 - SGTIN+, DSGTIN+, etc.
 - GTIN gives manufacturer, item / product
 - S gives serial number
 - + gives additional item attributes (batch / lot number, date, etc.)
 - D means date value required and "prioritized"





GS1 TDS 2.0 for Healthcare

- Pharma and Med Device
- "Implementation Guideline for RFID in Healthcare Manufacturing"
 - SGTIN+
 - GTIN gives manufacturer, item / product
 - S gives serial number
 - + gives additional item attributes (batch / lot number, date, etc.)





GS1 TDS 2.0 for Foodservice

- "GS1 US RFID Foodservice Implementation Guideline"
 - DSGTIN+
 - GTIN gives manufacturer, item / product
 - S gives serial number
 - + gives additional item attributes (batch / lot number, etc.)
 - D for prioritized date value



Questions & Comments





Contact us

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THANK YOU!