



Global Standards for Smart Agriculture and Food Safety Systems: Opportunities for Developing Countries

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WHAT ARE GS1 STANDARDS?

GS1 standards is a widely used and trusted supply chain standards system for the effective management of global supply chains



- Globally unique identification for **products**
- Same numbering system used worldwide by all manufacturers, all retailers

Electronic
Purchase Order or Invoice

Seller: 0614141123452
Buyer: 5012345678900
Contents:
10 units GTIN 5012345678900

- Globally unique identification for **legal entities and locations**



Capturing the identification key ... and beyond

Some data carriers can carry more detailed information about a specific unit



(01) 1022222333334 (17) 091231 (10) A1345B (21) 1234

Item identifier

Expiry date

Batch number

Serial number



(01) 0761234567890 (17) 1100503
(10) AC3453G3 (21) 123



Overview of all GS1 Standards for Traceability

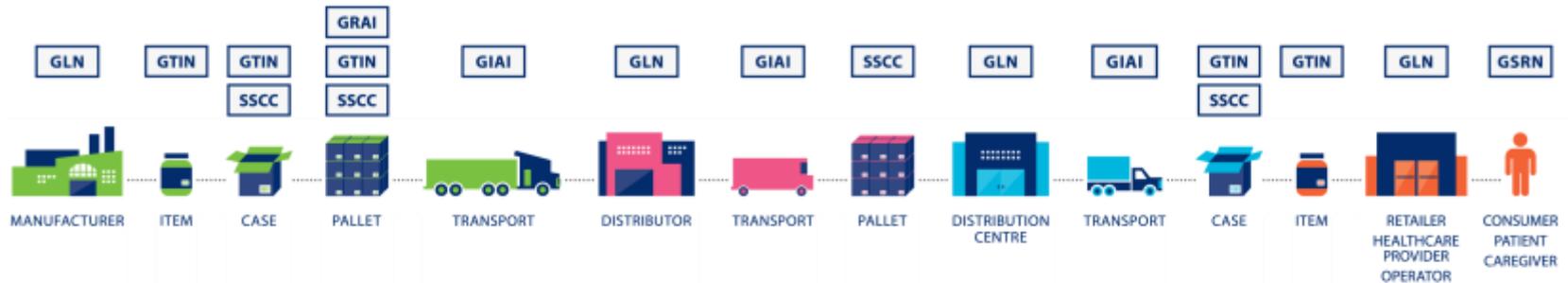
TRACEABILITY PROCESS : GS1 Standards for Full Chain Traceability

GTS Global Traceability Standard

CHECKLIST Control points and compliance criteria

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



CAPTURE: GS1 Standards for Barcodes & EPC/RFID

GS1 BARCODES

EAN/UPC



GS1-128



ITF-14



GS1 DataBar



GS1 DataMatrix



GS1 QR Code



GS1 Composite Barcode



GS1 EPC/RFID

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)

incl. Despatch advice & Recall notification



GS1 is the most widely used supply chain standards in the world



150 countries
15 million products
2 million member companies
6 billion daily transactions



International Food Safety Requirements and the Traceability Challenge

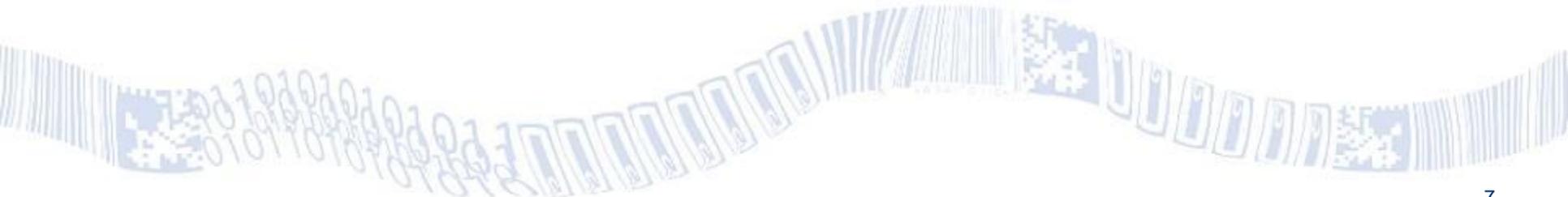




What is the issue ?

EC178/2002 art.18,
FSMA sec.204,
HACCP,
ISO 22000/22005
IFS, BRC, SQF,
GLOBALG.A.P
etc.

Companies are facing multiple regulatory and business traceability requirements.





GS1's role in Traceability

What ?

Regulations, HACCP,
ISO 22005
IFS, BRC, SQF,
GLOBALG.A.P....

How ?



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_5007

