



# GRIFS Forum Meeting

Washington DC

30 June 2009





# GS1: A global system of standards

**GS1**  
**designs and**  
**implements a**  
**global system**  
**of supply**  
**chain**  
**standards**

GS1 standards provide a **framework** that allows **products, services, and information** about them to move efficiently and securely for the benefit of businesses and the **improvement of people's lives**, everyday, everywhere



# Used by millions of companies



■ Countries with a GS1 Member Organisation

■ Countries served on a direct basis from GS1 Global Office (Brussels)

**108 Member Organisations.**  
**150 countries served.**  
**2,000 people helping us.**



# Our mission



## Our mission

To be the neutral leader enabling communities to develop and implement global standards providing the tools, trust and confidence needed to achieve our vision.



# Our four key product areas



**Global standards for automatic identification**  
Rapid and accurate item, asset or location identification



**Global standards for electronic business messaging**  
Rapid, efficient & accurate business data exchange



**The network for global data synchronisation**  
Standardised, reliable data for effective business transactions



**Global standards for RFID-based identification**  
More accurate, immediate and cost effective visibility of information



# Helping businesses work more efficiently

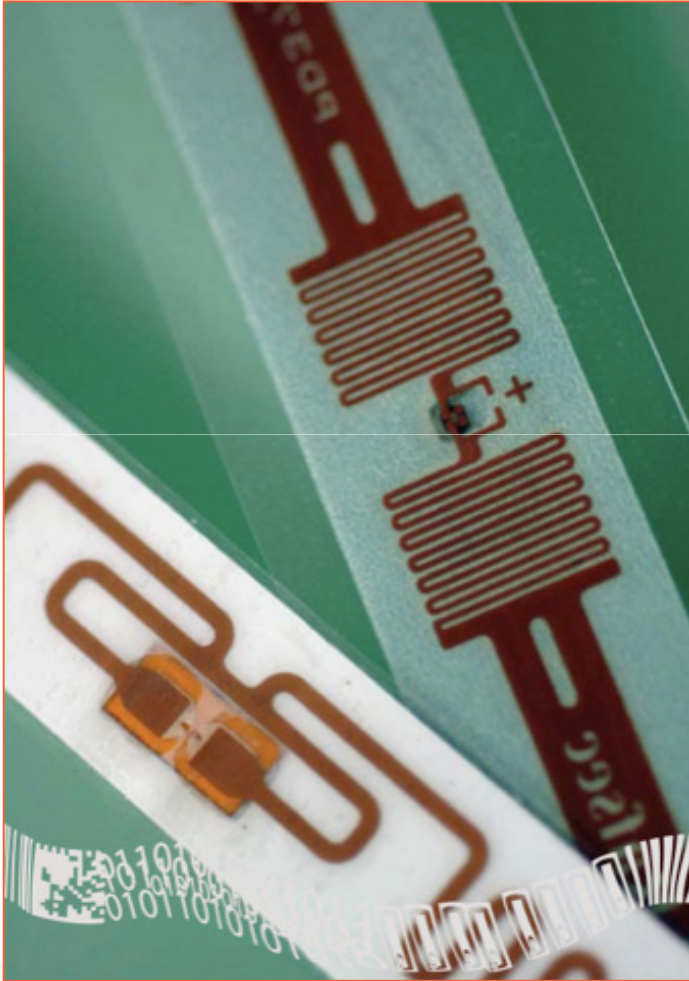


**GS1 BarCodes: The most well-known and universally recognizable GS1 standard.**

Businesses and organisations around the world use them to **automatically identify products, pallets and places**, and manage their supply chains more efficiently.



# Better visibility throughout the supply chain



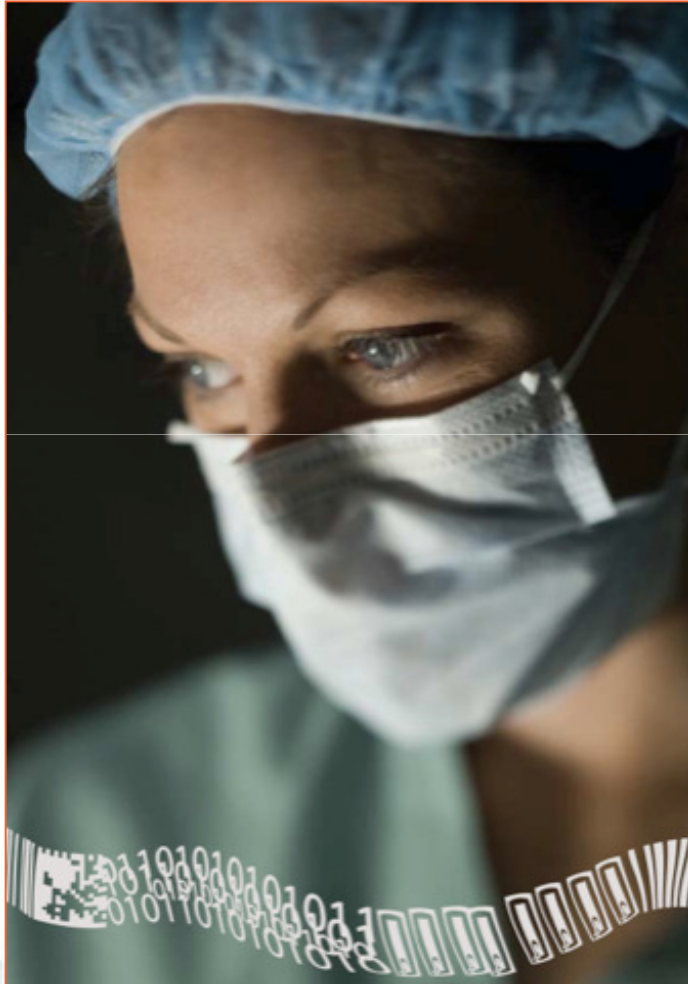
GS1 EPCglobal® standards put RFID technology to work for businesses and for people.

With GS1 standards encoded onto RFID tags, businesspeople can know not only **what** an item is, but also **where** it is now and where it has been **before**.

This means more effective and streamlined processes in a number of different sectors.



## Improving patient safety and care



**GS1 Healthcare: Helping the right patient get the right medicine at the right dose in the right way at the right time.**

We bring together hospitals, pharmaceutical companies, medical device manufacturers, transporters, and more to develop standards that will help **reduce medication errors** and **improve product traceability.**



# ISO groups into which GS1 participates

1. **ISO/IEC/JTC 1/SC31** - Automatic Identification and Data Capture Techniques
2. **ISO/TC 46/SC9** - Information and Documentation
3. **ISO/TC122/WG4** – Packaging
4. **ISO/TC122/TC104** Joint Working Group
5. **ISO/TC154** - Processes, data elements and documents
6. **ISO/TC215** - Health informatics
7. **ISO/TC104/SC4** – Freight Containers
8. **MoU/MG** – Management Group of the Memorandum of Understanding between ISO, IEC, ITU and UN/CEFACT



## Forms of collaboration with ISO

- Specification from GS1 submitted to ISO for standardisation. Examples:
  - EAN/UPC bar code symbology → ISO/IEC 15420
  - UHF Gen 2 protocol (RFID) → ISO/IEC 18000-6 type C
- GS1 solution embedded into a standard offering several options. Example:
  - GS1 Unique ID of logistics units, products, assets, etc. recognised in the multi-part ISO/IEC 15459 (Unique Identifiers)
- GS1 adopts existing ISO standards in its own specifications. Example:
  - Data Matrix bar code symbology, ISO/IEC 16022





# Possible Areas of Collaboration

- UHF Air Interface
- HF Air Interface
- Sensors
- Batteries
- TID formatting
- User Memory
- Active Tags
- Conformance & Performance
- Network data exchange services





## Why is GRIFS important?

- RFID (in the broadest sense) has still many opportunities for standards development
- Too many initiatives, not enough consistency
- Important to understand User requirements, cannot expect Users to attend all standards forums/activities
- A voluntary coordination effort is the optimal approach to address this issue





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