GS1 HUG™: The GS1 Global Healthcare User Group
The GS1 HUG™:

Who are we and what are we all about?
GS1 Global Healthcare User Group: 
*Mission and Vision*

**Our Mission**

Lead the healthcare industry to the effective utilization and development of global standards, with the primary focus on **automatic identification** to improve patient safety.

**Our Vision**

To be the **single source** for **regulatory agencies and trade organizations** (manufacturers, wholesalers, distributors, hospitals and pharmacies) to seek input and direction for **global standards in the healthcare industry**.
GS1 Global Healthcare User Group: Key objectives

HUG's objectives include:

- **Work with key partners** in the healthcare supply chain to develop and optimise the use of global standards to ensure accurate and fast movements of goods from manufacturer to distributor and healthcare provider as hospitals or public pharmacies.

- **Promote best practice implementation** in the healthcare area including the whole product and service portfolio of GS1.

- Promote the implementation of **GS1's voluntary, global business standards** throughout the healthcare sector.

- **Facilitate awareness** in the healthcare sector of **new technologies and methods** of doing e-business.

- **Provide advice and recommendations to GS1** on issues and opportunities in the healthcare sector.

The GS1 Global Healthcare User Group (HUG) is a voluntary group of GS1 members and invited supply chain participants from around the world.
GS1 Global Healthcare User Group: Stepped plan

Primary focus

Develop global standards for automatic product identification, using BarCodes and RFID.

Future projects

Medical catalogue
Data synchronization
Classification
E-commerce
And more
GS1 Global Healthcare User Group: Areas of focus

Prevention of Medical Errors
Encoding of the unit dose or unit of use package to enable automated verification to ensure right dose, for the right patient at the right time. Encoding of the unit of use package to enable automated verification to ensure the right device for the right patient.

Product Authentication
Utilizing a GS1 data structure, enable authentication of individual packages, cases or pallets.

Tracking and Tracing
Utilizing a GS1 data structure, work with supply chain trading partners to enable an electronic pedigree for individual packages such that in the event of a counterfeiting incident, tracing of the suspect product can occur.

Increase Total Supply Chain Efficiency
Through greater visibility, accuracy and velocity.
HUGLITs

‘Global’ Healthcare User Group (HUG)
‘Local’ Interest Teams (HUGLIT)

- HUGLIT Switzerland
  Local Interest Team
  Established

- HUGLIT Chile
  Local Interest Team
  Established

- HUGLIT Australia / NZ
  Local Interest Team
  To be launched October 2006 in Melbourne
GS1 Global Healthcare User Group:
Participating Companies (as of August 2006)

Pharmaceutical Companies
- Alcon Laboratories
- Amgen
- Astra Zeneca
- Baxter
- B.Braun
- Boehringer Ingelheim
- Cephalon
- GSK
- Johnson & Johnson Pharma
- Merck
- Merck Germany
- Novartis
- Pfizer
- Procter&Gamble
- Wyeth

Medical Device Manufacturers
- 3M
- Aesculap/B.Braun
- Alcon Laboratories
- Baxter
- Boston Scientific
- B.Braun
- Cook
- DePuy/J&J
- Hospira
- Johnson & Johnson MD
- Medtronic
- Olympus Medical Systems
- Pall Medical
- Smiths Medical
- Terumo
- Tyco Healthcare

Transport & Logistics Companies
- Exel
- Aexxdis

Wholesalers
- CERP
- Grupo Cofares
- Farmintesa-Secof
- McKesson
- Owen Minor
- Pharmdata
- Phoenix

Hospitals/GPOs
- Premier
- University Hospital of Dijon
- University Hospital of Lyon
- University Hospital of Leeds
- University Hospital of Geneva
- Comparatio German University Hospital group

Associations & Regulatory Bodies
- AdvaMed (US Association of Medical Device Manufacturers)
- Eucomed (European Associations of Medical Device Manufacturers and National Associations)
- EGA (European Generic Medicines Association)
- PHAC (Public Health Agency of Canada)
- NHS (National Health Service) – CfH (Connection for Health)
Upcoming HUG Conferences

Paris
20 to 22 September 2006
at Tyco European Headquarters

Berlin
30 January to 1 February 2007
at Aesculap Academy

tyco
Healthcare

BRAUN
SHARING EXPERTISE

GS1
France

GS1
Germany
The GS1 HUG™:
What is our roadmap for the next two years?
HUG Standards Development Strategy

Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>A1</td>
<td>26 Jul 06</td>
<td>Adopt existing GS1 Application Standards in Healthcare</td>
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<tr>
<td>A2</td>
<td>31 Dec 07</td>
<td>GSMP: Prioritised AIDC Application Standards</td>
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<tr>
<td>S1</td>
<td>31 Oct 06</td>
<td>GSMP: GTIN Allocation Rules for Healthcare</td>
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<td>S2</td>
<td>31 Mar 07</td>
<td>GSMP: Healthcare Business Data AutoID Standard</td>
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<td>S3</td>
<td>30 Jun 07</td>
<td>GSMP: Healthcare Product Serialisation Standard</td>
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<td>S4</td>
<td>30 Sep 07</td>
<td>GSMP: Healthcare Data Carrier/Scanning Standard</td>
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<tr>
<td>B1</td>
<td>28 Feb 07</td>
<td>HUG Business Case for Packaging/Marking AIDC</td>
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GS1 Standards Group

- Packaging/ Direct Marking
  - GTIN Allocation
  - Business Case
  - AutoID Data
  - Serialisation
  - Carriers
  - AIDC Application Standards

- Product Classification
  - Product Data Dictionary

- Healthcare Data Synch
  - eCatalogue
• **GTIN Allocation**: Rules for allocating Global Trade Item Numbers (GTINs) in healthcare under different circumstances or changes in product status or identification.

• **Business Case**: Healthcare AIDC Application Standards business case.

• **AutoID Data**: Define data required for automatic identification, given business requirements and the HUG mission, with patient safety as highest priority.

• **Serialisation**: Define serialisation schema for healthcare products, with product traceability for patient safety as highest priority.

• **Carriers**: Identify the data carriers for healthcare product packaging and direct marking. Establish standards for carrier printing/marking/encoding, scanning/verifying/decoding and quality.
• **AIDC Application Standards**: Construct packaging/direct marking AIDC application standard(s) specific to appropriate product group or sub-industry requirements, with patient safety as the highest priority. Content to include:
  ✓ Impacted product scope by product group or sub-industry
  ✓ Appropriate portions of relevant standards, including prior HUG driven standards
  ✓ Relevant location, packaging level, AIDC technologies
  ✓ Practical timeframe for adoption
  ✓ Expected stakeholder support and business impacts

- **Minimise** the number of different healthcare application standards and associated required AIDC technologies while maintaining practicality and appropriate differentiation.

- **Product groups** may be formed through **relevant commonality**
  • Examples: stakeholders, supply chain channels, business/financial models, appropriate AIDC technologies, dosage form, single/multiple use

- **Sub-industries** may be derived from regulatory or industry accepted **product classification**
  • Examples: device/pharmaceutical, implants, OTC/Rx
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