



The Global Language of Business

GDSN User Group Meeting

Denver, Colorado 2019



In Memoriam – Justin Childs

Moment of Silence

- Colleague and Friend
- 15 years of service at GS1

Anti-trust caution

- GS1 operates under the GS1 anti-trust caution. Strict compliance with anti-trust laws is and always has been the policy of GS1.
- The best way to avoid problems is to remember that the purpose of the group is to enhance the ability of all industry members to compete more efficiently.
- This means:
 - **There shall be no discussion of prices, allocation of customers, or products, boycotts, refusals to deal, or market share.**
 - If any participant believes the group is drifting toward impermissible discussion, the topic shall be tabled until the opinion of counsel can be obtained.
- The full anti-trust caution is available via the link below, if you would like to read it in its entirety:
<http://www.gs1.org/gs1-anti-trust-caution>.

Statement & reminder for seeking intellectual property information

- Relevant to the features of the specification that are being developed in this work group, if anyone has knowledge or information about intellectual property rights, such as, patents or patent applications; please promptly convey this information to the work group facilitator.
- The intellectual property rights can either be in development or owned by persons, companies or third parties within this work group or outside this work group.
- We do this under the guidance of the GS1 Intellectual Property Policy, so that GS1 can seek to avoid the uncertainty regarding intellectual property claims against the Specification.

Meeting etiquette

- **Meetings will begin promptly as scheduled**
- **Be present – avoid multi-tasking**
- **Avoid distracting behaviour:**
 - Place mobile devices on silent mode
 - Avoid sidebar conversations
- **Be considerate**
 - Avoid monologues
 - Keep comments concise
- **Respect work group decisions**
 - Avoid re-opening decisions unless there is a significant quality impact
- **Collaborate** in support of meeting objectives
 - Ask questions
 - Be open to alternatives
- **Be representative**
 - Avoid personal remarks
 - Do not speak for your company or community if you do not clearly understand their needs
 - Votes should reflect the needs of your company or community

GS1 Standards Event App

- 1 Get the App by searching your App store for "**GS1 Global Events**" (If you already have the Global App due to attendance at the Global Forum or Industry & Standards Event, you do not need to do this)
- 2 Once you have the Global App on your mobile device, the event module should automatically load. If it doesn't, click inside the search bar to activate.
- 3 If you are prompted for a login at any time, please use:

Username: **GS1events**

Password: **GS1events**



WiFi internet access

- Select network "**GS1 Connect**" and connect
- User Name "**Gaylord_Conference**"
- Password: **Connect2019**

Agenda Review

Welcome / Introductions

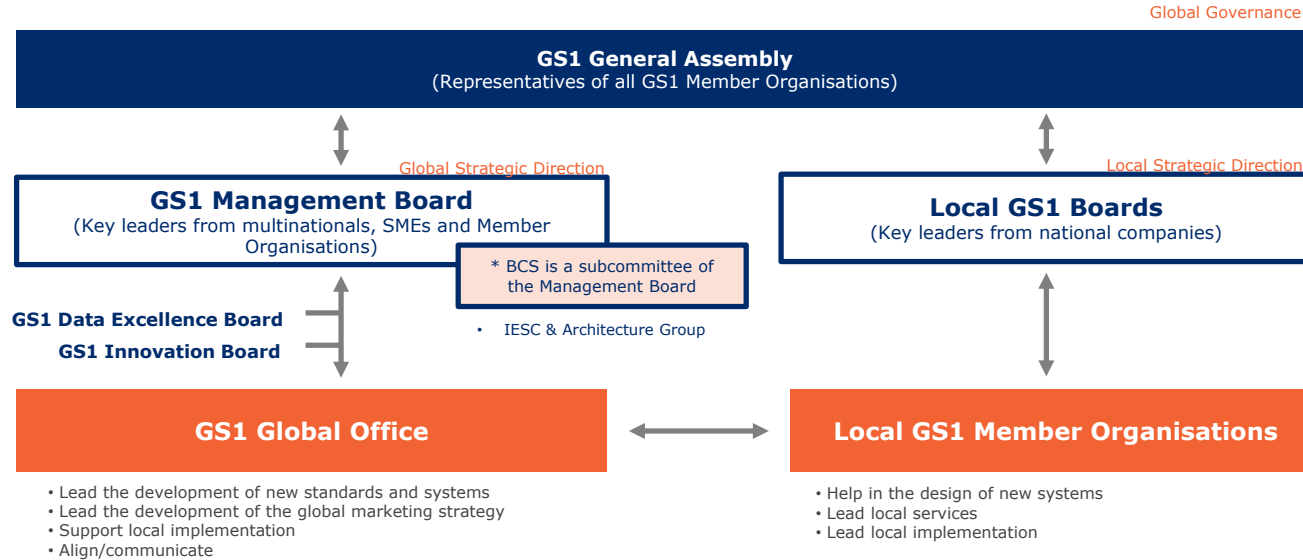
- Group Introductions

See Agenda

- Document new items

GS1 Data Governance

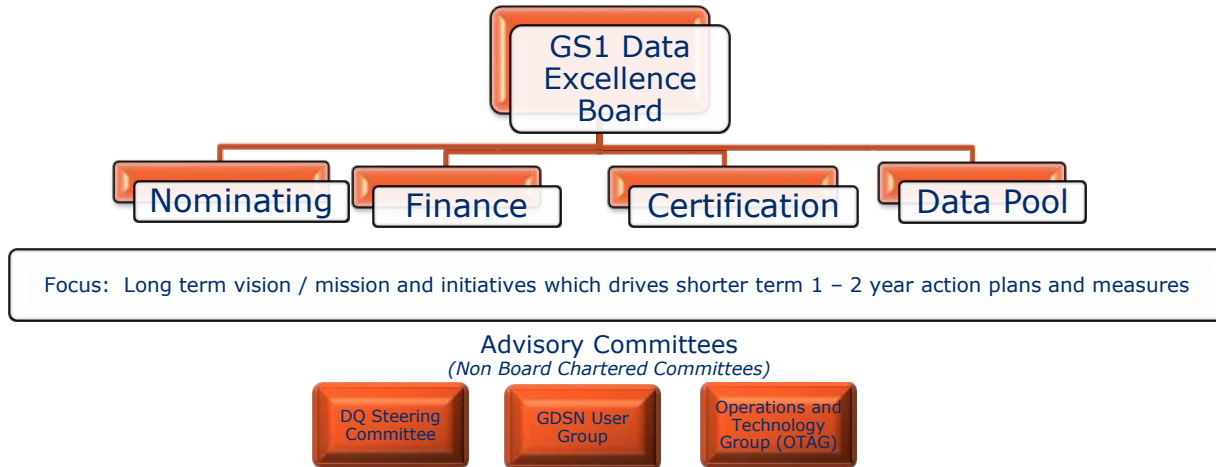
Organisation and roles



GS1 Data Excellence Governance Structure

September 2018

GS1 Data Excellence Board oversees GDSN, Global Registry and GS1 Data Quality



GS1 Data Excellence Board reports to the GS1 Management Board for ratification and final approvals

Roles and Responsibilities of GS1 Data Excellence Board Members

Strategic:

- Sets strategic direction for the GS1 Data Excellence including the GS1 Global Registry™
- Approval of the GS1 DE 3Y and 1Y Strategic Plans

Fiduciary:

- Approval and oversight of annual budget (includes allocations for projects in flight, network releases, certifications, new projects, software development and operational expenses)
- Determines and approves the financial model to support annual budget
- Assurance that the data pool and data aggregator fees are cost effective, globally applicable, and equitable

Operational:

- Stewardship of the Certification processes and the Certification criteria.
- Make recommendations to the GS1 Management Board
- Monitoring of effectiveness and adequacy of resource utilization
- Monitoring of progress versus agreed plan
- Proactive communication of GS1 Data Excellence
- Active participation in GS1 DE Board and subcommittees (minimum of one)



GS1 Data Excellence Board of Directors Current Membership

Current Membership (charter 35 maximum)

Supply & Demand Side (18)

(6 Open Positions)

- Lori Schrop – J.M. Smucker Company
- **Retailer- Pending**
- Jean-Marc Klopfenstein- Nestle
- Vincent De Hertogh - Delhaize
- John Phillips – PepsiCo
- Markus Tkotz – Markant
- Christian Zaeske – METRO AG
- Laurent Seroux – Proctor & Gamble
- JP de Villiers, Walmart
- Grant Hodgkins, Smith and Nephew
- Nate Whitten, Lowes
- VIVEK NADADUR, J & J
- **Manufacturer - Pending**

Strategic Positions (1)

(1 Open Position)

GS1 GO

- Sanjay Mandloi

GS1 MOs /Country DPs (8*)

(2 Open Positions)

- Maria Palazzolo - GS1 Australia
- Art Smith – GS1 Canada
- Thomas Fell - GS1 Germany
- Jan Somers – GS1 Belgium/Luxembourg
- Pieter Maarleveld – GS1 EU
- Lars Kyed – GS1 Denmark

Solution Providers (7)

(0 Open Position)

- Karin Borchert – 1Worldsync
- Paul Salay – Gladson / FSEnet
- Dave Ralph – Commport
- Marc Blanchet, Viagenie
- Dr. Stefan Hesse – Alkemics
- Mike Nickituk, Nielsen Brandbank
- Rafael Florez - LOGYCA

Associations (1)

* **GS1 MOs: 2 EU (min), 2 Amers (min), 2 rest of world**



GS1 Data Excellence Board engagement model

All GS1 DE Board members are required to actively participate in the GS1 DE Board and a minimum of one sub-committee (Nominating, Finance, Certification)

To ensure delivery at “speed of business” for identified strategic topics:

- Concrete and active participation of GS1 DE Board Members in identified GDSN topics.
- One GS1 DE Board Member will lead each identified topic (GS1 DE Board Member co-leaders will be identified to ensure cross representation of demand / supply / solution provider)
 - GS1 DE Board Member will convene a team of cross-representation of current GS1 DE Board membership to make topic actionable
 - Each topic will be supported by one GS1 GO member
- Topics with a GS1 DE Board member leader will be on backlog of identified topics
- GS1 DE Board Member lead will report progress at DE Board meetings

GS1 Data Excellence Board Initiatives

Global Data Model

Data Quality

Marketing Awareness, GDSN Academy

GDSN Vision and Mission

Network and Data Pool Interoperability

Strengthen Data Pool Certification Programme

GDSN Infrastructure Upgrade and modernization

GDSN Update

Alan Hyler / Group

GDSN Statistics – Year to Date

| July 1, 2018 | | | % Change in 2018 (July 1 - May 31, 2019) | May 31, 2019 | | |
|-----------------------------------|--|------------|---|-----------------------------------|--|------------|
| | | TOTALS | | | | TOTALS |
| Active Data Pools | | 39 | 0.0% | Active Data Pools | | 39 |
| Trading Partner GLNs | | 49,502 | 11.1% | Trading Partner GLNs | | 54,982 |
| Subscriptions Sent | | 2,425,397 | 13.6% | Subscriptions Sent | | 2,755,770 |
| Subscriptions Matched | | 1,970,654 | 13.2% | Subscriptions Matched | | 2,231,576 |
| Subscriptions Matched by Item | | 73,939,352 | 19.4% | Subscriptions Matched by Item | | 88,273,524 |
| Recipient DP Subscription Matches | | 73,939,352 | 19.4% | Recipient DP Subscription Matches | | 88,273,524 |
| Registered Items (GTINs) | | 27,499,979 | 11.9% | Registered Items (GTINs) | | 30,778,027 |
| GTINs Coded with GPC | | 25,265,431 | 11.4% | GTINs Coded with GPC | | 28,151,556 |
| | | 92% | -0.4% | | | 91% |

- GTIN and GLN KPI's achieved for FY 19/19

Recent Activity

May 2019 Maintenance Release 3.1.8 (IN PRODUCTION)

- Global Product Classification (GPC), Efficient Code Lists (ECL)
- New Attributes
- Dangerous goods, payments/discounts, electronic content for item descriptions and Healthcare (GUID)

GDSN User Group Meeting (Dublin)

Certified Data Pools

- 43 Total Data Pools
- Price Certification (6 DP's certified)

GDSN Roadmap

August 2019 Maintenance Release

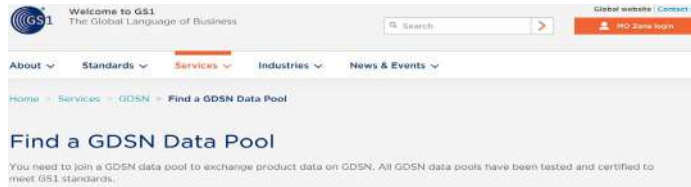
- 3.1.9
 - New Attributes Only (optional)

November 2019 Maintenance Release

- 3.1.10
 - “Small” Release
 - GPC, ECL, New Attributes

GDSN by the Numbers

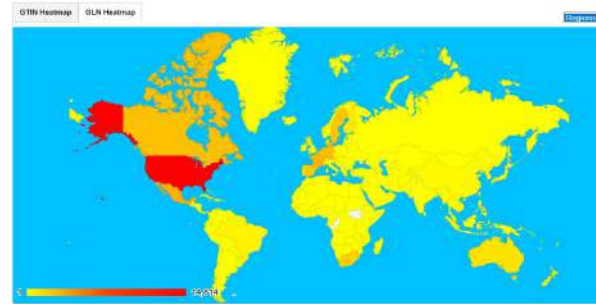
43 Certified Data Pools



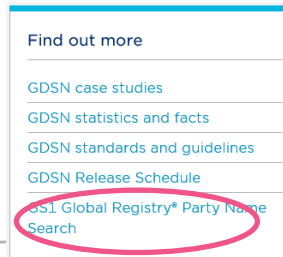
Over 30 Million GTINs



Over 51 Thousand Trading Partner GLNs

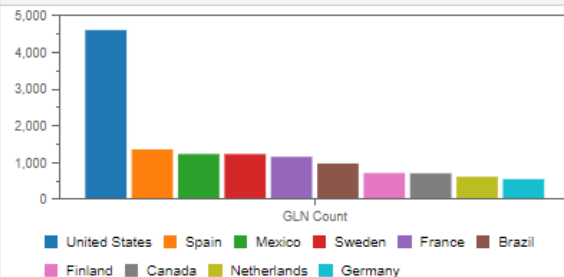


Trading Partner Search *Improved*

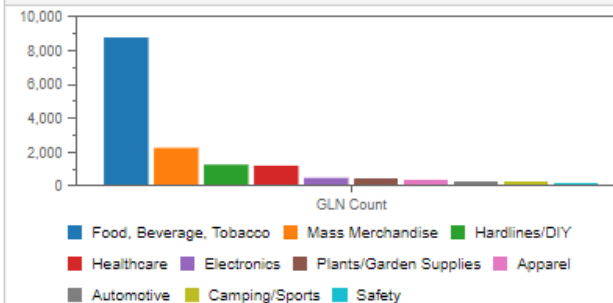


GDSN Current Year Growth - GLN

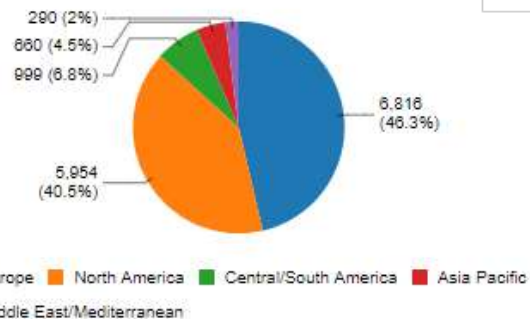
GLN by Target Market



GLN by Sector

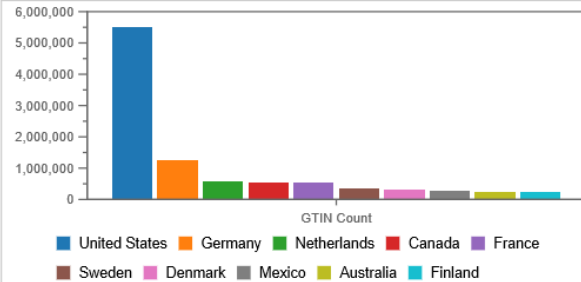


GLN by Region

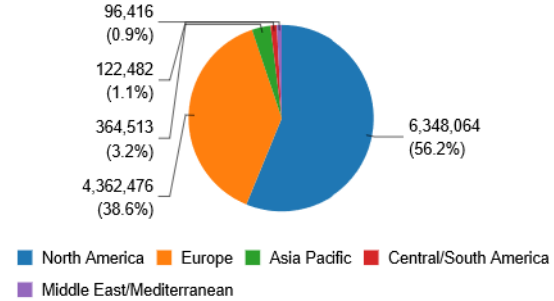


GDSN Current Year Growth - GTIN

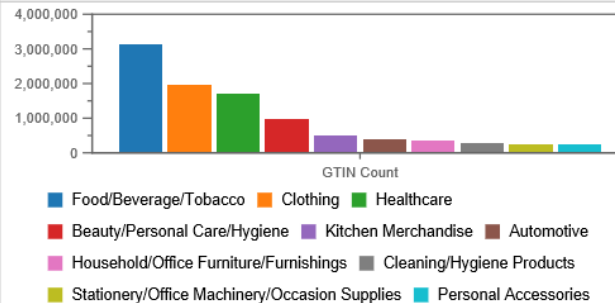
GTIN by Target Market



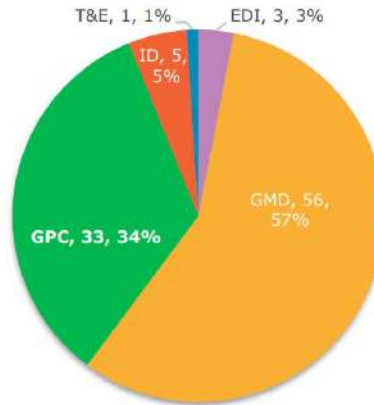
GTIN by Region



GTIN by GPC

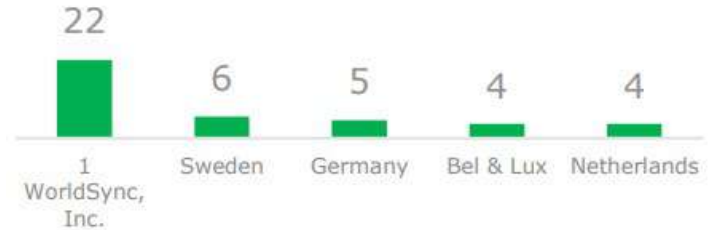


GDSN Work Requests (YTD)



- GDSN/GPC combined account for %90 of all GS1 Work Requests
- Q4 trend is consistent with Q1 – Q3 submissions

Data: <https://www.gs1.org/standards/development/how-we-develop-standards/gsmr-reports>



- Top GDSN (GMD SMG) WR Submitters are 1WorldSync, GS1 Sweden, GS1 Germany, GS1 Belgium & Luxembourg, GS1 Netherlands

Global Data Model Update

Mark Van Eeghem / Group

mindShift



Objective

Define globally agreed attributes that brand owners need to provide to retailers in order to verify, list/order, move/store and sell products digitally and physically.



Why does it matter?

- Brand owners spend time and resources customising their data to meet individual retailer needs.
- As a result, retailers often receive lower quality or incomplete data that lead to listing delays.
- Everyone loses.



How are we doing this?

Working collaboratively with industry:

- 60 Industry representatives
- 35 GS1 Member Organisations

Two tracks

- Global Data Model: specifying which attributes are needed globally for all products and for selected product categories.
- Attribute Definitions for Business: providing business friendly attribute names and definitions for each attribute

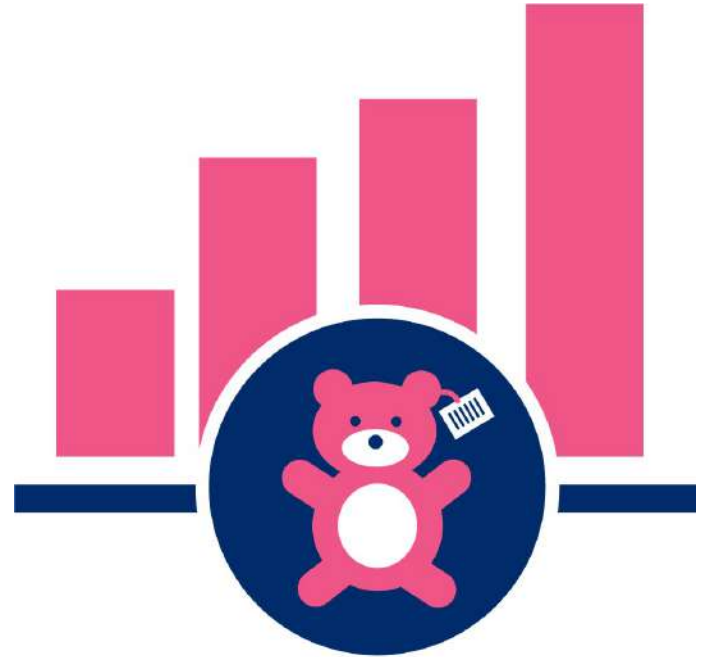


What is the result?

A simplified and harmonised single global data model will enable:

- Greater efficiency
- Reduced costs
- Increase quality & completeness

Ultimately leading to improved consumer experience and increased sales.



How does it work?



Global mandatory attributes

- Net content
- Image



Global conditional/mandatory

- Ingredients
- Nutritional facts



Regional conditional/mandatory

- Package material
- Allergen statement



Local conditional/mandatory or optional

- Price comparison information



17 June 2019



Attribute Definitions for Business: Why?

Today, even the most basic information that trading partners need to exchange lack agreed, common definitions that are **easily recognized** by **business-oriented members**.

Current definitions do not fully address this challenge because they provide **technical descriptions rather than user-friendly definitions**.



ADB: Objective

Provide **business-oriented** attribute names, definitions, examples and business usage statements that are easily understood, consumer relevant, for both digital & physical products and support the business processes to:

- verify
- list/order
- move/store
- Sell

**Note:* Not a replacement for technical definitions

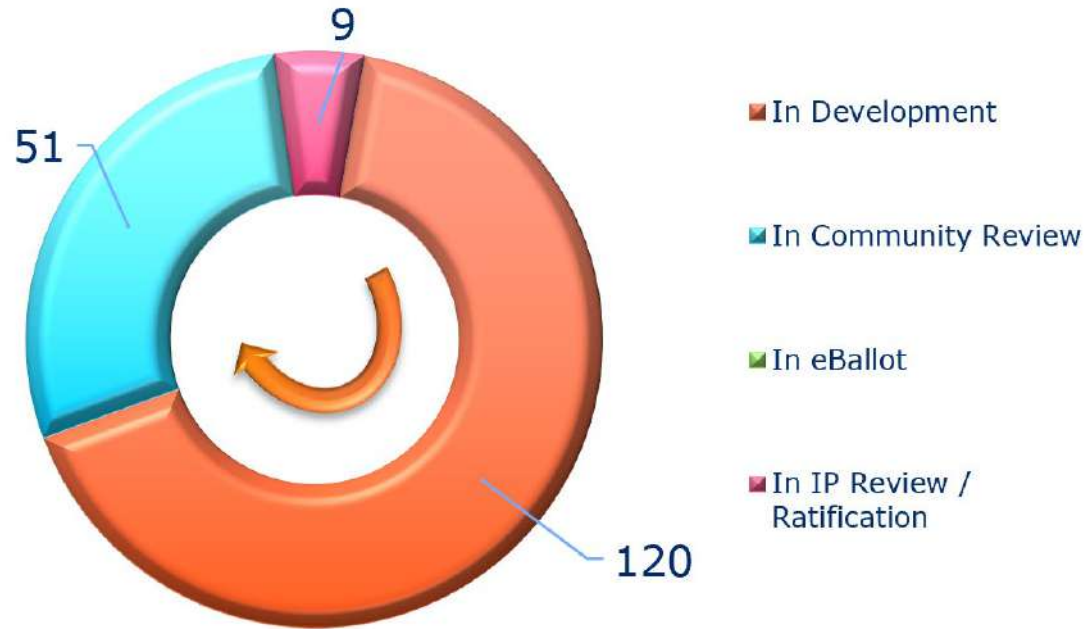
Attribute Definitions for Business: Example

| Technical Definition | | Business-Oriented Information | | | |
|--|---|---|---|---|--|
| GDSN Name | GDD Definition | Business Oriented Name | Business Oriented Definition | Example | Usage Statement |
| targetMarketCountryCode  | The code that identifies the target market. The target market is at the country level or higher geographical definition and is where a trade item is intended to be sold. | Country of Sale Code  | The code representing the country where the product/service is intended to be sold. | An image of two identical products with French and German on the pack, target market of Germany and France. | Used to determine the intended country(ies) of sale. |

ADB: Milestones

- **January:**
 - Began the work: 180 attributes from Consumer Goods Forum
 - All 7 VbG business-oriented attributes drafted & into GSMP
 - 35% of attributes have new business names/definitions drafted
- **March**
 - Created subteams around category
 - Verified by GS1 attributes ratified
- **May**
 - Most attributes in eBallot
 - Refined & styled for consistency

ADB: March



ADB: Progress



ADB: Our Story (so far)



ADB: Next Steps

- Meet our Goal! Deliver initial publication end-of-June
- Continue development of additional 50 attributes from Global Data Model Workstream
- Other Sectors?

Contact Information

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GS1 in Europe Update

Tomas Tulchor / Group

GDSN User Group

Update on GS1 in Europe activities related to GDSN

GS1 Standards Event 2018, Denver
17-18th June 2019



WR-19-000187: e-commerce attributes

**GDSN does not meet the needs of e-commerce players.
Change needed – risk of GDSN not being relevant in the future**

GS1 in Europe B2B2C working group would like to see **eCommerce group within GSMP** (GMD SMG) being established with following main objectives:

1. Create **flexible and fast process**/solution to add B2C attributes into GDSN standard so it is aligned with the need of eCommerce users.
2. Decide and **provide guidance** on how to deal with multiple different solutions for “fast track” eCommerce attributes that currently exist in GDSN: **GPC attributes, ProductCharacteristics class, AdditionalTradeItemClassification class and AVPs.**

Fish related attributes

catchAreaCode

- **catchAreaCode** is the new attribute requested by GS1 in Europe (WR-18-000259).
- To allow exchange of fish origin for multi-fish species products together with other attributes from fishreportinginformation class
- It will be **available from August 3.1.9** Release
- GS1 in Europe **recommended migration** from CATCH_ZONE code in **May 2020** Release (aligned with release of related validation rules from WR-18-000266) .



productionMethodForFishAndSeafoodCode

Contradictions between definition and codes

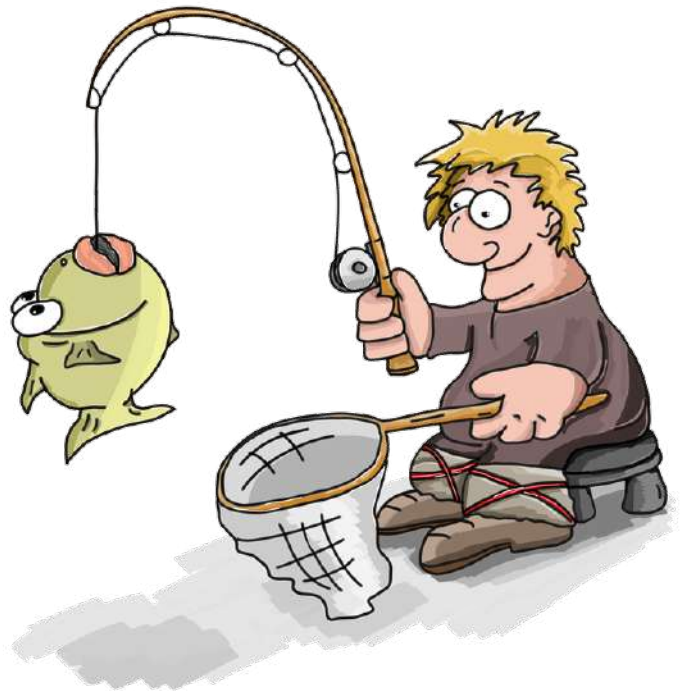
Attribute definition: The production method for fish and seafood is specified by FAO, Fisheries and Aquaculture Department of the Food and Agriculture Organization of the United Nations. This required attribute will help the global retail industry to fulfil the EU requirements for a common fisheries policy.

| FAO Code list | GS1 Code list | GS1 Traceability Guide |
|---------------|----------------|--------------------------|
| AQUACULTURE | AQUACULTURE | 01 Caught at sea |
| FRESHWATER | INLAND_FISHERY | 02 Caught in Fresh Water |
| BRACKISHWATER | MARINE_FISHERY | 03 Farmed |
| MARINE | | 04 Cultivated |
| CAPTURE | | |
| ALL | | |

productionMethodForFishAndSeafoodCode

Following actions should be taken

1. Change definition of productionMethodForFishAndSeafoodCode so it does not refer FAO,
2. Revise definitions of some codes (INLAND_FISHERY),
3. Change GS1 Traceability Guideline to be consistent with GDD.



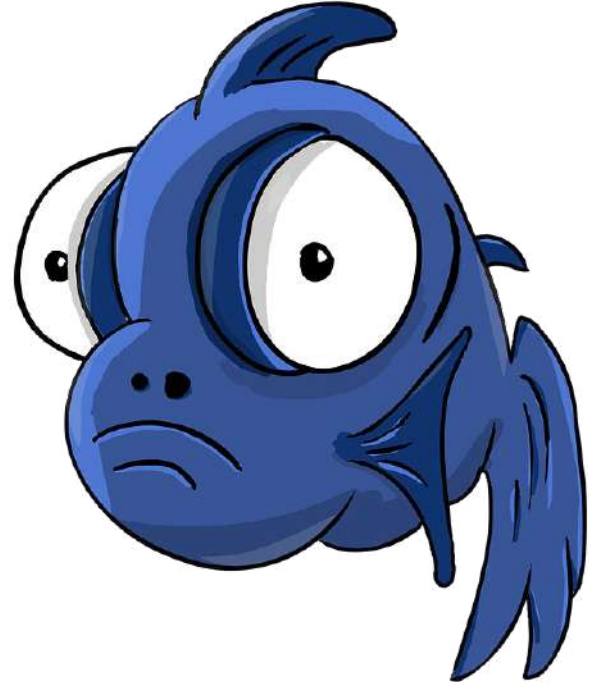
catchMethodCode

This code list needs a clean up – GS1iEU will create proposal

Some terms are identified by 2 codes (numeric and alfa) – e.g:

- **04** = Dredges
- **DX** = Dredges (not specified) (GS1 Code)

Numeric codes are needed for regulatory purposes



GS1 in Europe guideline on product images

GS1 in Europe guideline on product images

GS1iEU guideline shall describe images that comply with all local specifications in EU.

Work has been initiated in June 2018 in Lisbon.

12 EU MOs submitted their national guidelines.

Principles:

1. Not repeat what is in the global guideline
2. Focus on restricting choices provided in the global guideline where needed
3. Focus on examples
4. Inform about exceptions where alignment has not been possible so far



GS1iEU Image Guideline – current status

- The guideline itself is finished, remaining work is for Annex.
- Not published yet
- **Couple exceptions** for some EU markets
- **One warning** – divergence from the global standard for file format for high resolution images.
 - **JPEG** is preferred because high res are used for online.

Product images for marketing purposes..... 5

| | | |
|------|------------------------------|---|
| 2.1 | Size | 5 |
| 2.2 | File format | 6 |
| 2.3 | Resolution..... | 6 |
| 2.4 | Background..... | 6 |
| 2.5 | Margin..... | 6 |
| 2.6 | Colour mode | 6 |
| 2.7 | Angles (views)..... | 7 |
| 2.8 | Clipping path..... | 7 |
| 2.9 | File size | 7 |
| 2.10 | File naming conventions..... | 7 |
| 2.11 | Other requirements..... | 7 |

Product images for planograms 8

| | | |
|------|------------------------------|----|
| 3.1 | Size | 8 |
| 3.2 | File format | 8 |
| 3.3 | Resolution..... | 9 |
| 3.4 | Background..... | 9 |
| 3.5 | Margin..... | 9 |
| 3.6 | Colour mode | 9 |
| 3.7 | Angles (views)..... | 9 |
| 3.8 | Clipping path..... | 10 |
| 3.9 | File size | 10 |
| 3.10 | File naming conventions..... | 10 |
| 3.11 | Other requirements..... | 10 |

GS1iEU Image Guideline - snippet

2.1 Size

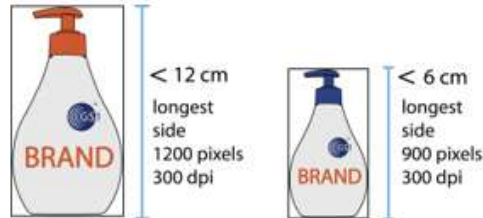
The **minimum** size of the image on its longest side shall be **2,401 pixels** at 300 ~~ppi~~.

The **maximum** size of the image on its longest side shall be **4,800 pixels** at 300 ~~ppi~~.

Square ratio, meaning that both sides of an image shall have equal size, **is not required** in Europe.

Exceptions:

- In the **Netherlands**, smaller sizes are required for smaller products.
 - If the product is smaller than 12 centimetres, the size of the image's longest side shall be 1,200 pixels at 300 ~~ppi~~.
 - If the product is smaller than 6 centimetres, the size of the image's longest side shall be 900 pixels at 300 ~~ppi~~.



- In the **United Kingdom**, square ratio is currently required and images shall have size of 2365x2365 pixels.

New EU Regulations

New EU Regulation on Food Primary Ingredient

...“Where the country of origin or the place of provenance of a food is given and where it is not the same as that of its primary ingredient, the country of origin or place of provenance of the primary ingredient in question shall also be given or indicated as being different to that of the food.”

- <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32018R0775>
- New rules will apply from 1st April 2020



What is a Primary Ingredient?

A Primary Ingredient is any ingredient which constitutes more than 50% of the food or, which is usually associated with the name of the food.



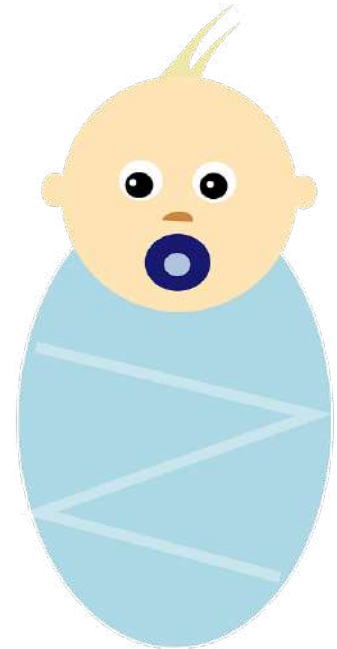
Primary Ingredient in GDSN

- Final recommendation will be provided after October/November (waiting for European Commission's implementation recommendation)
- Keep it simple – it will probably not affect a lot of products
- Following GDSN recommendation seems possible:
 - Use **ingredientStatement** if primary ingredient is in brackets after ingredients on the label
 - Use **provenanceStatement** if primary ingredient statement is separate from ingredient statement on the label
 - Use of **ingredient level attributes** – only if the need for filtering is identified by the industry

New EU legislation – Baby food

Regulation will come into force in February 2020

- More nutrient codes will need to be provided for baby food (compared to regular food).
- GS1iEU will recommend correct INFOODS codes to have harmonised implementation across Europe.
- Regulation is available here: https://eur-lex.europa.eu/eli/reg_del/2016/127/oj



Thank you very much for your attention!

Contact Information

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GS1 China Custom's Project Update

Hua Wang / Group

China Customs GDSN[®] Initiative

June 2019





2. What is it?

3. How to do?

4. Who win?

China Customs Policy

Declaration of standardized data requested by China Customs

- **GTIN is included in the declaration form as a core element. Examples of customs declaration elements mapped to GDSN trade item attributes:**

Customs

- HS Code
- GTIN
- Product name
- Brand
- Manufacturer
- Place of origin
- Ingredient
- Function
- Target Consumer
- Specification...



GDSN

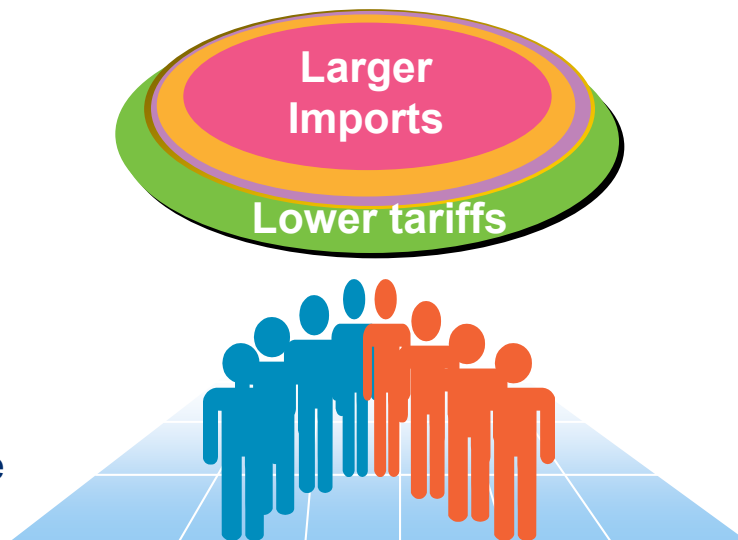
- importClassificationValue/gpcCategoryCode
- gtin
- functionalName/descriptionShort/variantDescription
- BrandName/subBrand
- manufacturer/GLN
- countryOfOrigin/countryCode
- ingredientName/ingredientSequence/...
- tradeItemDescription
- targetConsumerAgeGroup/targetConsumerGender
- packagingTypeCode/netContent/quantityOfChildren/...

A Bigger Import Cake

Starting from July 1, 2018

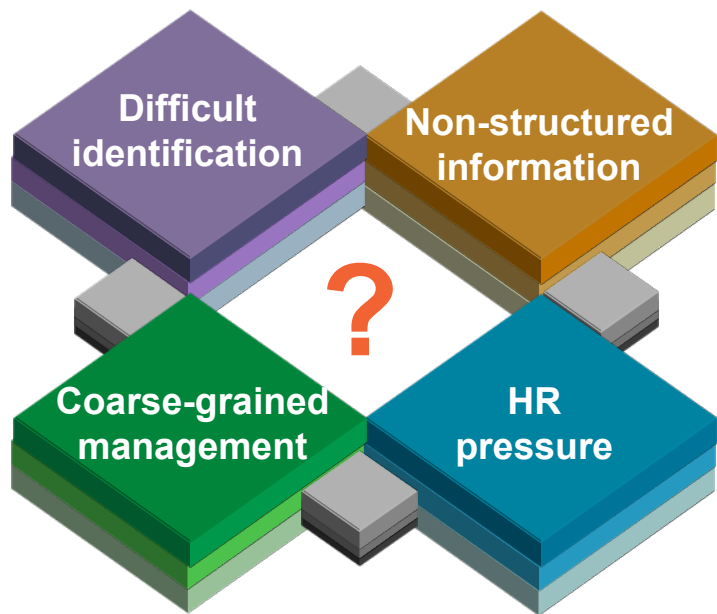
- Import tariffs of daily consumer goods in China were lowered on a larger scale
 - ✓ **Clothing**
 - ✓ **Shoes**
 - ✓ **Foods**
 - ✓ **Cosmetics**
 - ✓ **Household appliances**
 - ✓ ...
- China's Imports are expected to increase substantially....

30 + trillion USD imported goods in the next 15 years



Customs Clearance Problems

- Existing customs clearance mode is based on non-structured product information.
- Non-structured information and coarse-grained HS Code are likely to result in confusion and difficult product identification.
- Product identification difficulties cause HR pressure, slow down clearance process, and/or may result in inconsistent enforcement.



1. Why is it?

2. What is it?

3. How to do?

4. Who win?



Strategic Cooperation Agreement

**Strategic Cooperation Agreement
Signed by GAC & GS1 China
in July 2018**

- 1 GTIN information applied in customs clearance
- 2 Joint-study on mapping of HS code & GPC
- 3 Joint-promotion activities for GS1 GTIN applications

Initiative

The **G**eneral **A**dministration of **C**ustoms (“**GAC**”) is going to:

- ✓ Speed up the promotion of the **GS1 GTIN application**
- ✓ Provide guidance for importers to apply GTIN in the customs declaration procedures
- ✓ Establish a feasible Barcode **business model and operation mechanism** to supervise and expedite import procedures



Value Proposition



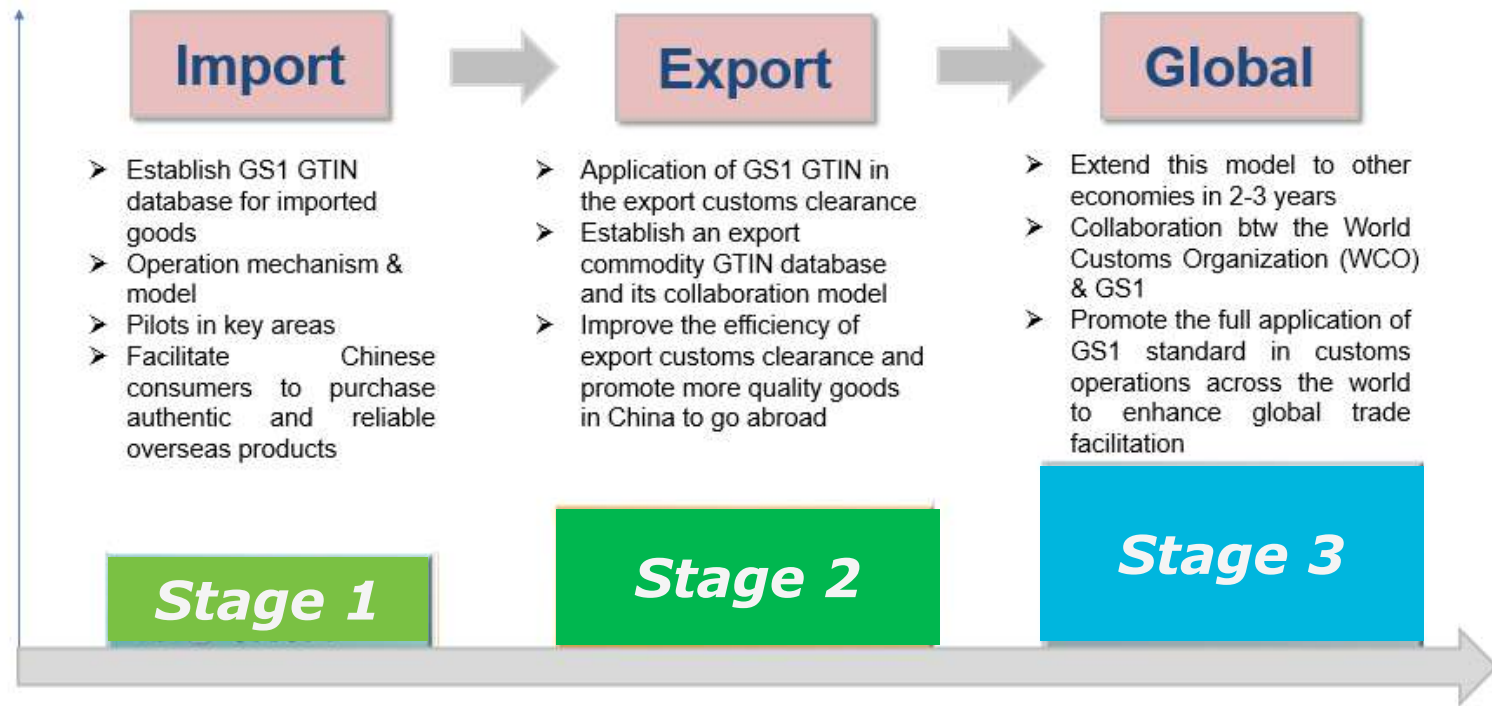
1. Why is it?

2. What is it?

3. How to do?

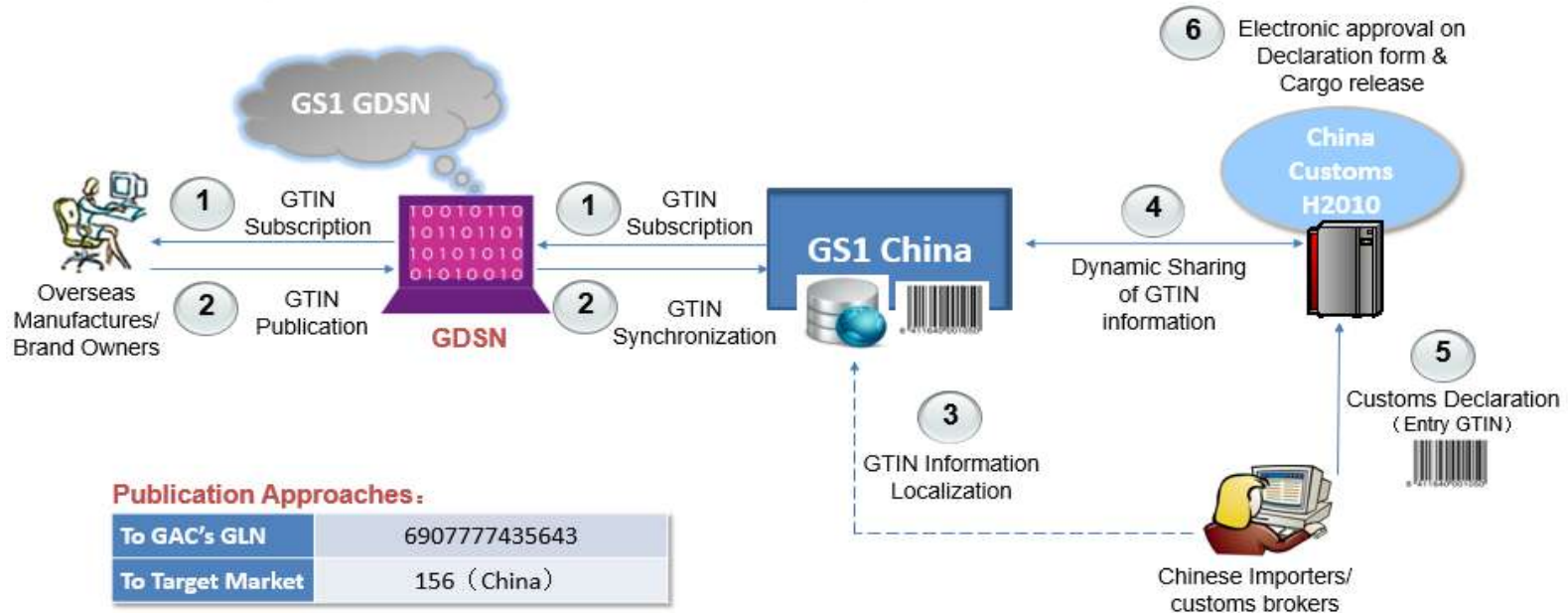
4. Who win?

Roadmap



Overview of GTIN Application by China Customs

Enjoy the Fast & Efficient Import Customs Clearance



Overview of Attributes

Basically, there are 5 groups of product categories identified by GAC, with 3 types of attributes:

| Attributes Requirements | Alcoholic beverages | Food/Non-alcoholic beverages | Pharma/Beauty /Personal Care/Hygiene | Clothing/Foot wear/Luggage /Suitcases/Ga rment Carriers | Others |
|-------------------------|---------------------|------------------------------|--------------------------------------|---|--------|
| GDSN Mandatory | 17 | 17 | 17 | 17 | 17 |
| Required by GAC | 13 | 11 | 10 | 14 | 7 |
| Optional for GAC | 12 | 12 | 16 | 16 | 16 |
| Total Attributes | 42 | 40 | 43 | 47 | 40 |

1. Why is it?

2. What is it?

3. How to do?

4. Who win?



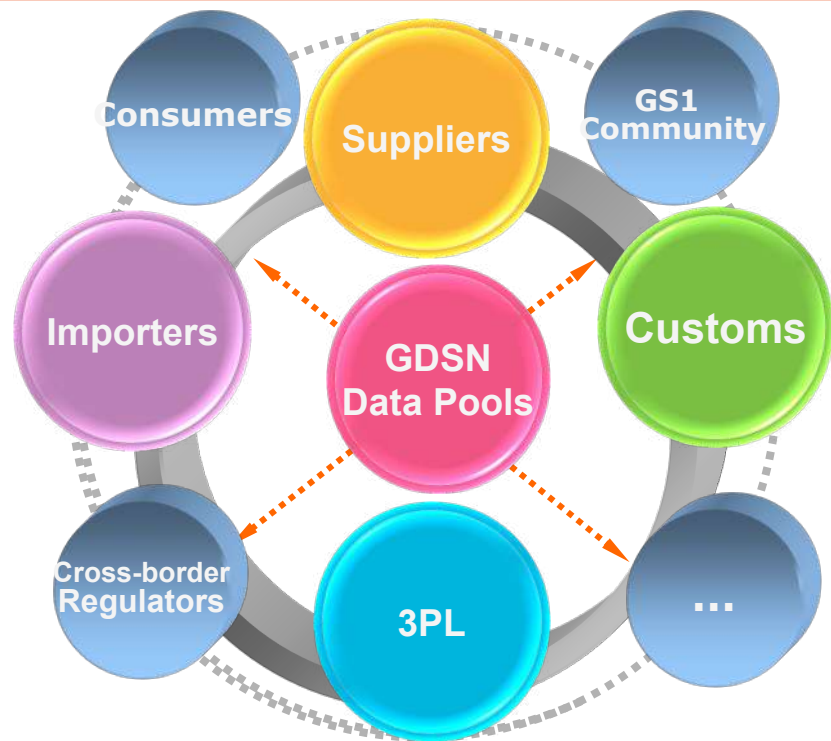
All Parties Are Winners

In the Big Data era,

- More data → more influence

Data pools & MOs to have

- Stronger capability & credibility
- Higher competitiveness & influence
- More business opportunities



Significance for GS1 & WCO

- ✓ WCO Policy Committee has recognized the strategic value of GS1 GTIN (esp. in consumer goods, retail sector, food & pharmaceutical products)
 - Risk assessment
 - Regulatory compliance
 - Anti-Counterfeiting...
- ✓ Use cases for certain goods (Toys, Poultry, Wine, etc.) in some countries (US, UK, New Zealand, Canada & Australia)
- ✓ **GS1 GTIN adoption by China customs**
 - ◆ The pioneering wide application globally
 - ◆ China customs as a hub user of product data with GS1 GTIN



- **Deepen dialogue & cooperation btw GS1 & WCO**
- **Widen the adoption of GS1 standards in cross-border trade all over the world**

Language Problem & Solution

◆ **Problem:** most product data from overseas suppliers are not in Chinese.

✓ **Solution:** a window for importers to submit Chinese version; a channel to display product data as authorized by China Customs.

Example →



<http://gs1.cn/09339537000698> (GTIN)

× 条码网站

源数据 中国物品编码中心

GS1-CHINA

ANS 精炼乳清蛋白 - 香草 2 公斤

¥638.00

上市日期: 2017/10/01

品牌: ANS

规格: 2kg/瓶 15cm*15cm*2

种类: 乳清蛋白营养粉

产地: 墨尔本

基本信息

企业名称: 广州澳悠康贸易有限公司

企业地址: 广东省广州市黄埔区商业街D249商铺

产品标识: 09339537000698

追溯地址: <http://gs1.cn/093395>

更多详情

去订购

× 条码网站

638.00

上市日期: 2017/10/01

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产品标识: 09339537000698

追溯地址: <http://gs1.cn/093395>

更多详情

去订购

× 条码网站

更多详情

ANS SIMPLY WHEY

雕刻自我 勇于突破

ANS 精炼乳清蛋白

澳洲原装进口 质量更保障

AUSTRALIA IMPORTED, QUALITY IS MORE SECURE

去订购



Latest Progress

✓ **Pilot**

- In progress: infant formula & wine – GS1 Australia, GS1 New Zealand and GS1 China.
- In the pipeline: pharmaceuticals – GS1 US and GS1 China.

✓ **Presentation** by GAC high-level official at WCO conference “Future of the Harmonized System”.

✓ **Mapping of GPC & HS Code**

- Partnership: GS1 New Zealand, GS1 US and GS1 China.
- Vision: enable GS1 members around the world to further leverage GS1 Standards to seamlessly move goods between markets.
- Scope: developing a mapping tool with machine learning & intelligent selection capabilities.
- Application scenarios: GDSN, customs clearance, cross-border e-commerce, border agency risk assessment and duty review, etc.

Thanks!

For more information, please contact us at gac-gdsn@ancc.org.cn.



GS1 Healthcare Update

Peter Alvarez / Group

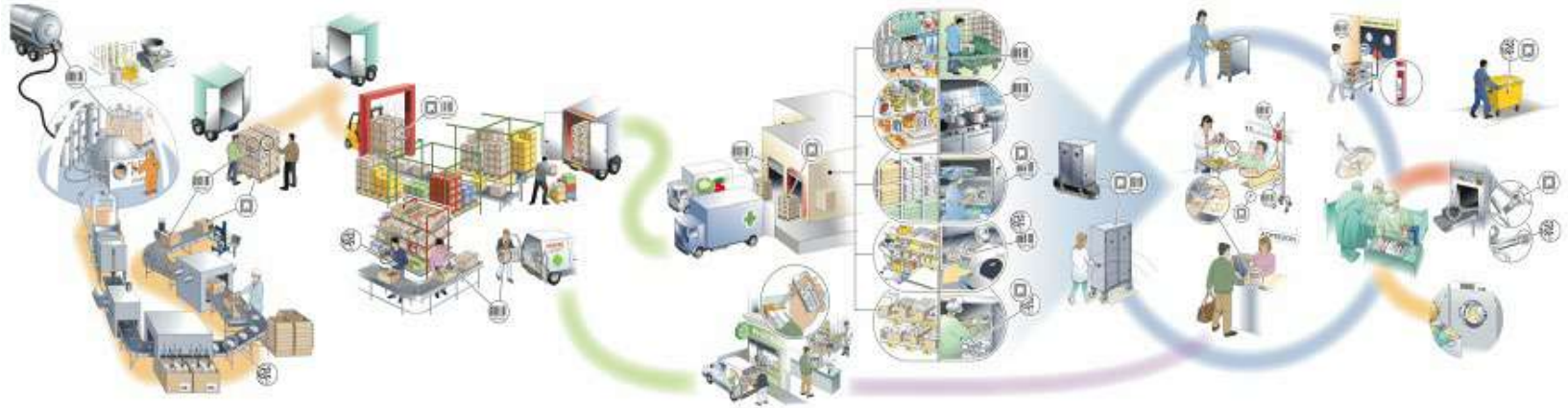
Introduction to GS1 Healthcare

Safer, more efficient care starts with a simple scan

Pete Alvarez
17 June 2019



Voluntary, Global Healthcare User Group



GS1 Healthcare is a neutral and open community bringing together all related healthcare stakeholders to lead the successful development and implementation of global GS1 standards enhancing **patient safety, operation** and **supply chain efficiencies**.

GS1 Healthcare: an expanding, committed community of globally engaged stakeholders...

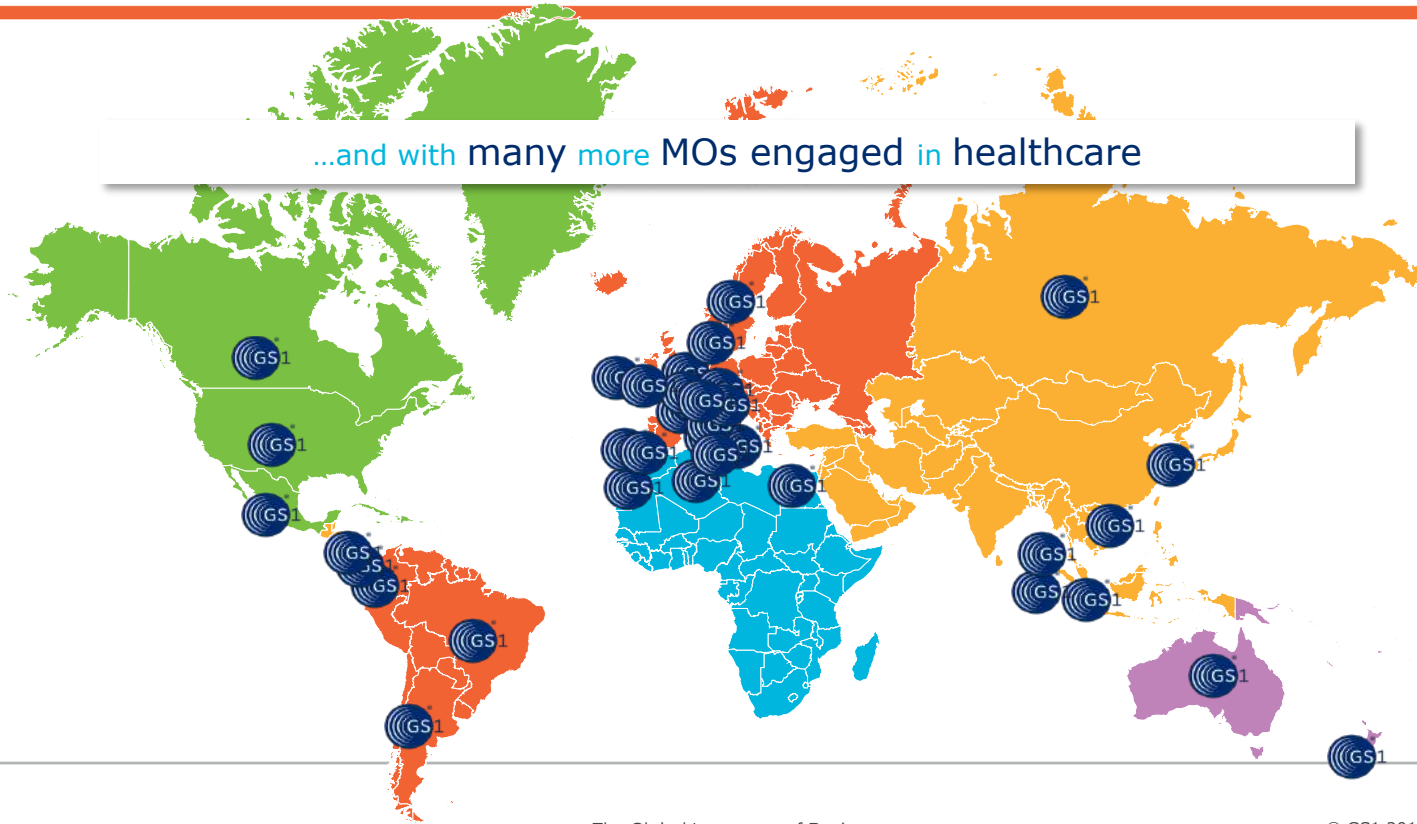


...and there are many more companies working with GS1 at a local level



...working together with GS1 Member Organisation (MO) User Groups in 40 countries

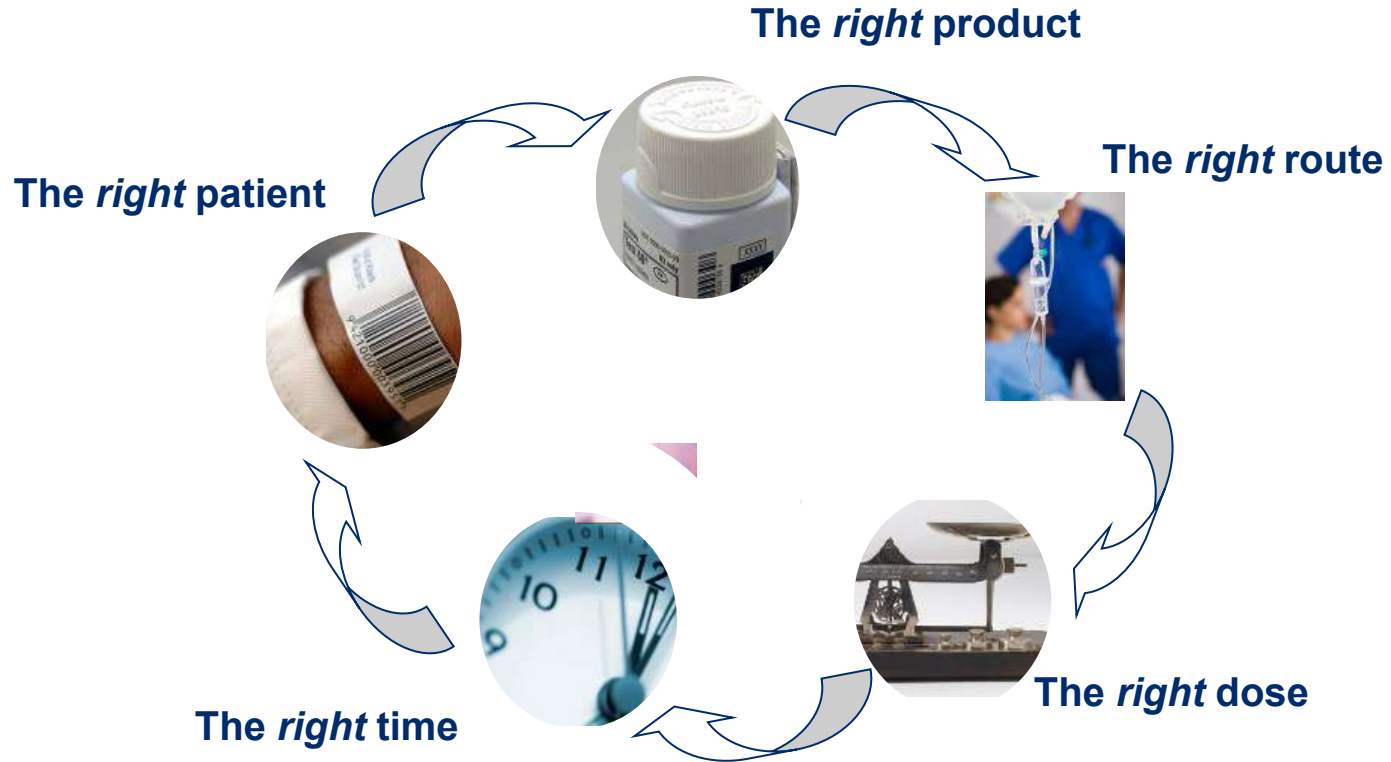
...and with many more MOs engaged in healthcare



Leading hospitals implement GS1



Ensuring the '5 Patient Rights'



User-driven: GS1 Healthcare LT 2018/2019

Tri-Chairs:

- Scott Mooney, McKesson
- Feargal Mc Groarty, St. James's Hospital
- Mark Hoyle, Teleflex

2019/2020 election underway

LT Members:

- Charity Hovey, 3M
- Cyndi Poetker, Abbott
- Jeff Denton, Amerisourcebergen
- Volker Zeinar, B. Braun
- Stefan Artlich, Bayer
- Dennis Black, BD
- Patrick Main, Cook Medical
- Kevin Downs, University Hospitals of Derby and Burton NHS Foundation Trust
- Mike Meakin, DHL
- Sébastien Langlois-Berthelot, F. Hoffmann-La Roche
- Karen Conway, GHX
- Grant Courtney, GSK
- Jean-Michel Descoutures, IHF
- Gerry Collins, Johnson & Johnson
- Jackie Elkin, Medtronic
- Pascal Aulagnet, Pfizer
- Grant Hodgkins, Smith & Nephew
- Dr. Hajo Reissmann, University Medical Center Schleswig-Holstein
- Catherine Koetz, GS1 Australia
- Marcelo Oliveira, GS1 Brazil
- Arthur Smith, GS1 Canada
- Valérie Marchand, GS1 France
- Hans Lunenborg, GS1 Netherlands
- Rami Habbal, GS1 UAE
- Glen Hodgson, GS1 UK
- Angela Fernandez, GS1 US

New McKinsey & Company report quantifies supply chain issues in Healthcare



New McKinsey report “**Strength in unity: The promise of global standards in healthcare**”

Highlights the **cost savings and patient safety** benefits of adopting a **single global supply chain standard in healthcare**

Available at:

<http://www.gs1.org/healthcare/mckinsey>

Source:

<http://www.mckinsey.com>

UDI: what is it?

Unique Device Identifier (UDI)

The UDI is a series of numeric or alphanumeric characters that is created through a globally accepted device identification and coding standard. It allows the **unambiguous identification of a specific medical device on the market.**

UDI system

A system that is intended to provide **single, globally harmonised identification of medical devices** through distribution and use, requiring the label of devices to bear a globally unique device identifier (using AIDC and if applicable HRI) based upon standards, with regulated data related to that unique identifier, being also linked to a jurisdiction-specific public UDI database.

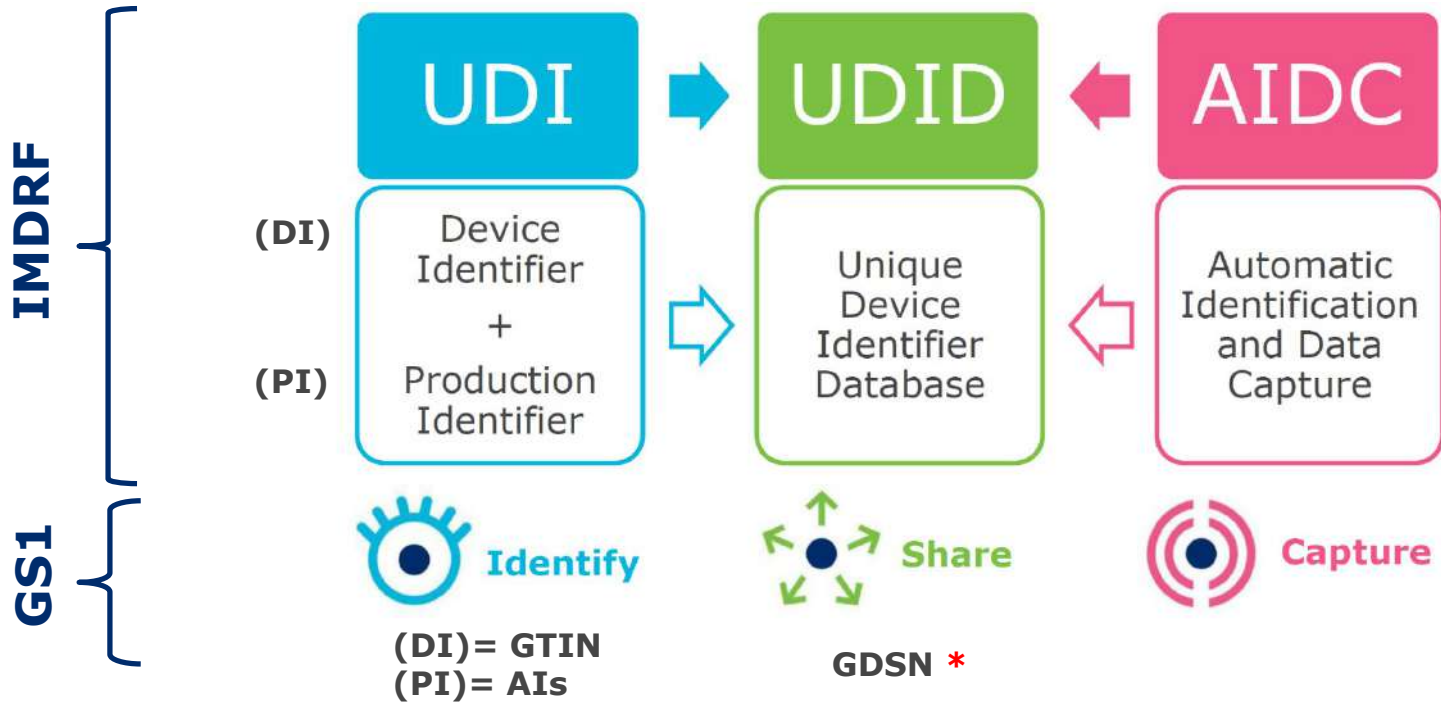
IMDRF

International Medical Device Regulators Forum

- Voluntary group of medical device regulators from around the world
- **Goal: international medical device regulatory harmonisation and convergence**
- WHO and regional organisations as observers



UDI system and GS1 system



GS1 and UDI regulation

- GS1 is an Issuing Agency for the U.S. FDA UDI and an Issuing Entity for the EU MDR
- GS1 is Responsible for maintaining a global standard for product identification consistent with the requirements of an Issuing Agency / Issuing Entity statute
- GDSN mappings are provided by GS1 Healthcare as a courtesy to the industry, it is not a requirements of an Issuing Agency / Issuing Entity. They are kept in the [Public Policy Database](#)

Legal disclosure >>>

☒ I hereby understand and accept the following conditions: "This document contains a mapping of GUDID attributes to the GDSN data attributes (the "Mapping"). It is provided by GS1 free of charge, as a courtesy, to industry and the solution providers supporting industry. The accuracy, completeness and correctness of the data provided to GUDID is the responsibility of the manufacturer. While GS1 is permanently undertaking efforts to keep the Mapping complete, up to date and to improve its accuracy, GS1 cannot warrant that the Mapping is accurate, complete and up to date. GS1 therefore disclaims any liability for any use of the Mapping by a manufacturer or its service provider.

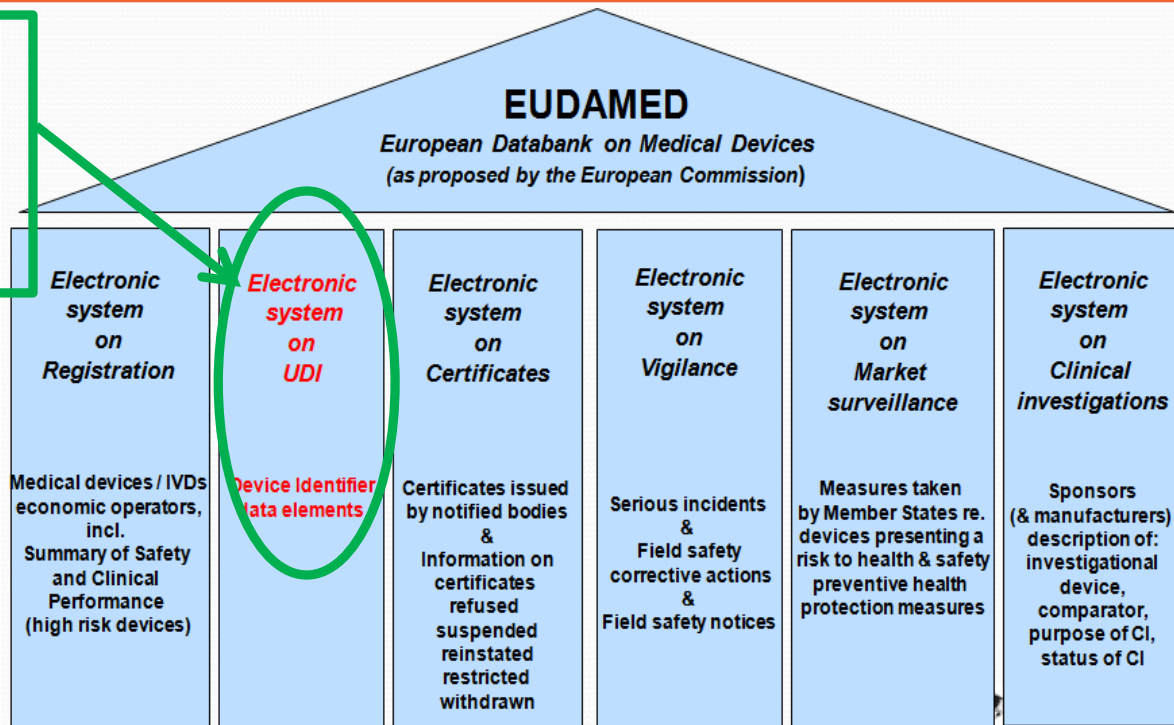
United States

GUDID to GDSN Attribute Mapping 20190321 v28.xlsx 



EUDAMED and UDI

Part that the
U.S. FDA UDI
system focuses
on today (i.e.
GUDID)



EUDAMED and UDI

| | |
|--------------------------------|---|
| Data Dictionary Basic UDI | Section contains all the fields related to the Basic UDI main Entity and other Entities associated to the Basic UDI for device(s) that are managed/affected by a manufacturer and for certificate identification that could be affected by NB certificate registration. |
| Data Dictionary NB related | Section contains all the fields related to the entities associated to the Basic UDI-DI that can be affected only by the Notified Bodies. Decision for confirmation are managed automatically from certificate registration, SS(C)P automatically from certificate registration or directly in UDI/device. |
| Data Dictionary AR related | Section contains all the fields related to the entities associated to the Basic UDI-DI that can be affected only by the Authorised Representatives (Optional, not implemented yet). |
| Data Dictionary UDI-DI * | Section contains all the fields related to the UDI main Entity and other Entities associated to the UDI for a device that are managed/affected by a manufacturer. |
| Data Dictionary Basic UDI_SPPP | Section contains all the fields related to the Basic UDI main Entity and other Entities associated to the Basic UDI for a System or Procedure Pack that are managed/affected by a System or Procedure Pack Producer. |
| Data Dictionary UDI-DI_SPPP * | Section contains all the fields related to the UDI main Entity and other Entities associated to the UDI for a System or Procedure Pack that are managed/affected by a System or Procedure Pack Producer. |

* = GDSN mapping document in development

MDR timeline for UDI data registration

<https://ec.europa.eu/docsroom/documents/34921>



In short:

- **26 November 2021 is the deadline for registration of devices** in the related modules of EUDAMED. This means a 18 months transition period during which registration will be **voluntary as from 26 May 2020**. This applies to all devices, all classes).
- If EUDAMED is not functional and delayed then the transition period will be 24 months as from the date of publication of the EUDAMED release in the OJCE.

The GS1 Healthcare Team at GO



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Global Product Classification (GPC)

GDS User Group Update

Transforming business together



The Role of GPC in GDSN

- The Global Product Classification (GPC) standard gives buyers and sellers a common language to group products the same way globally
- Ensures effective data synchronisation in GDSN and enables:
 - Item Publication
 - Registration
 - Subscription

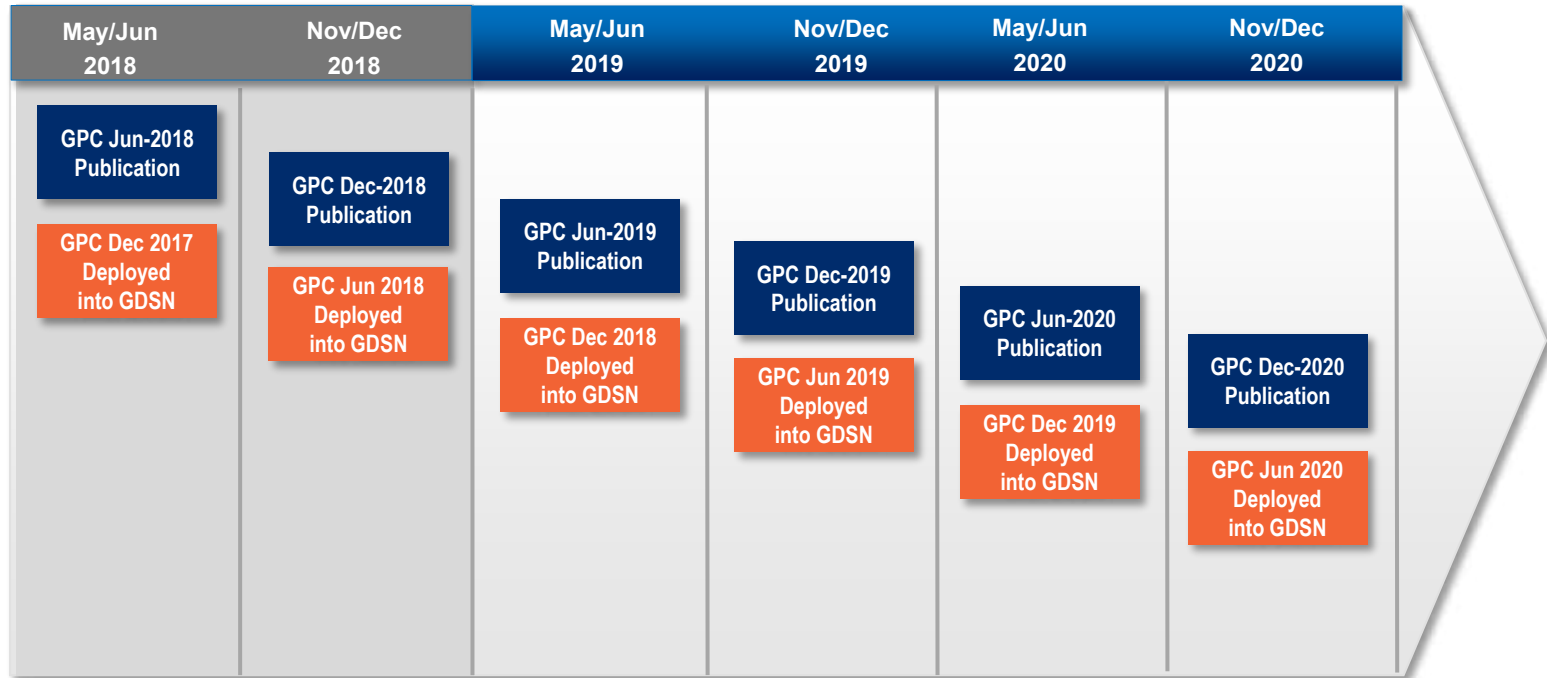


GPC Releases

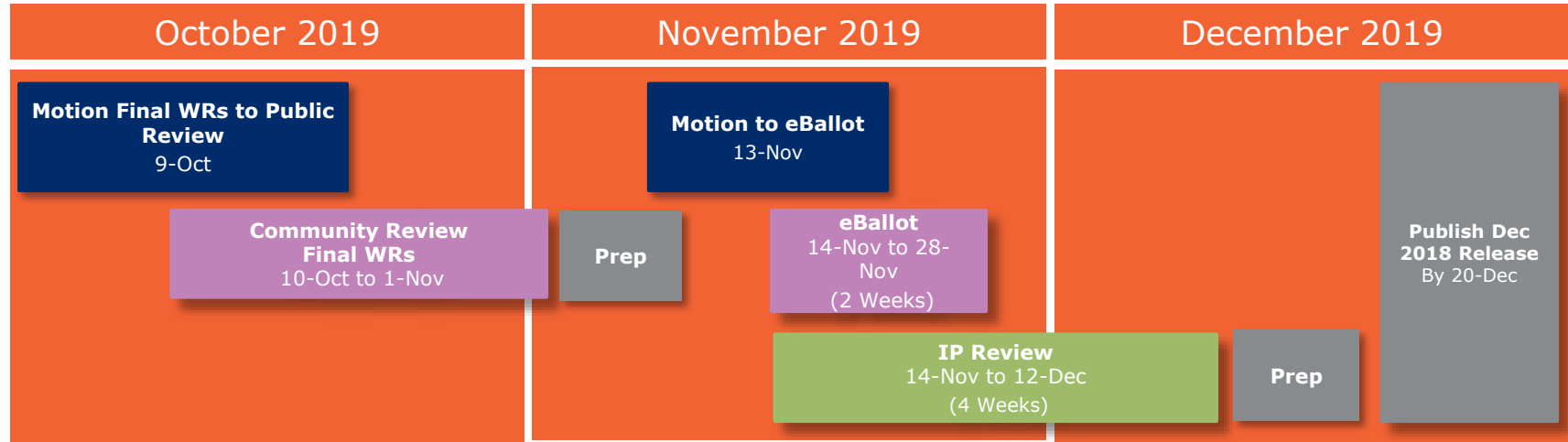
- GPC uses a “Consolidated Release” strategy to publish twice per year, (every **June** and **December**)
- Approximately 5 months after a new GPC is published it is incorporated into the latest GDS release



GPC deployment into GDS



GPC December 2019 Publication Schedule



September 9-13, 2019 GS1 Standards Event – Lisbon, Portugal

GPC Publication 06 2019 (3.1.10 November)

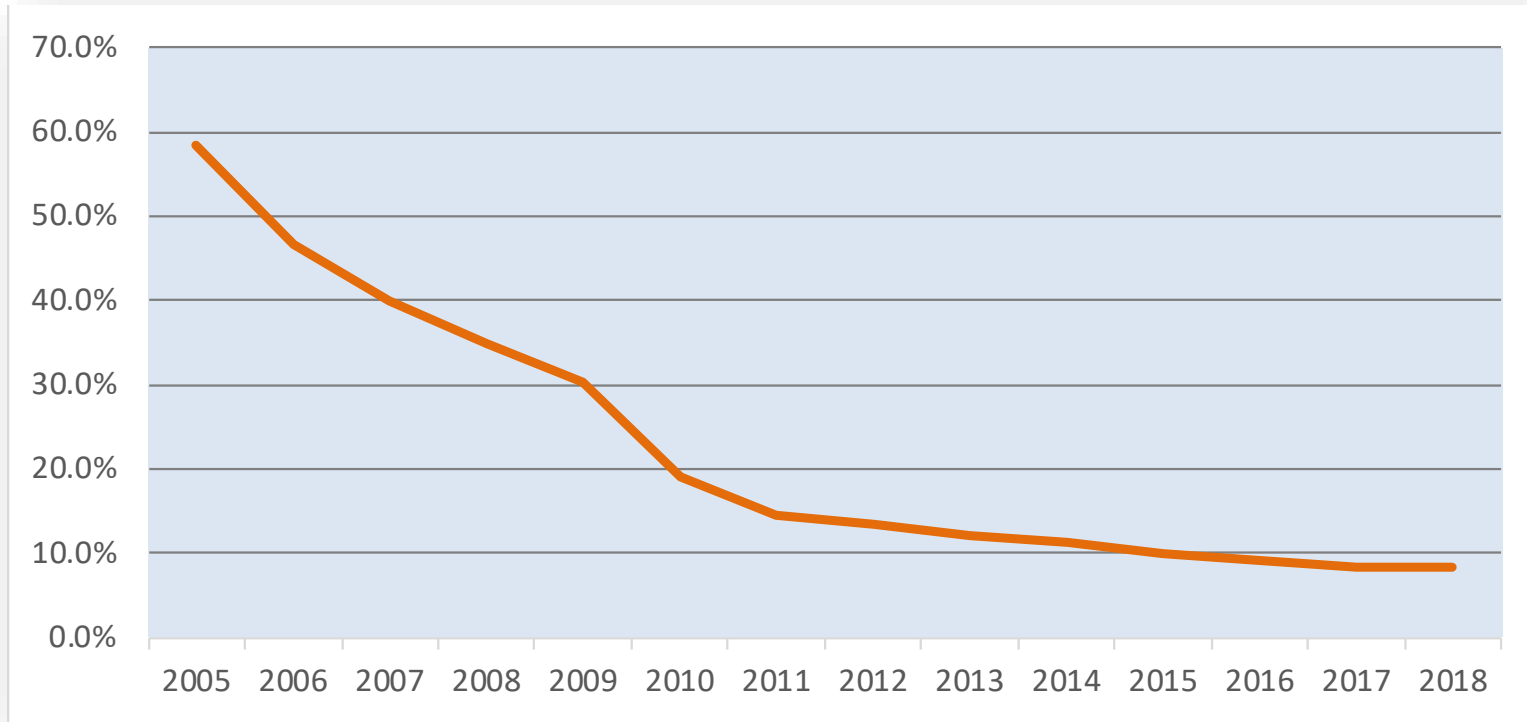
36 Work Requests Processed

- Bricks: 85 added; 15 Modified; 3 deleted
- Attributes: 2018 added; 69 modified; 178 deleted

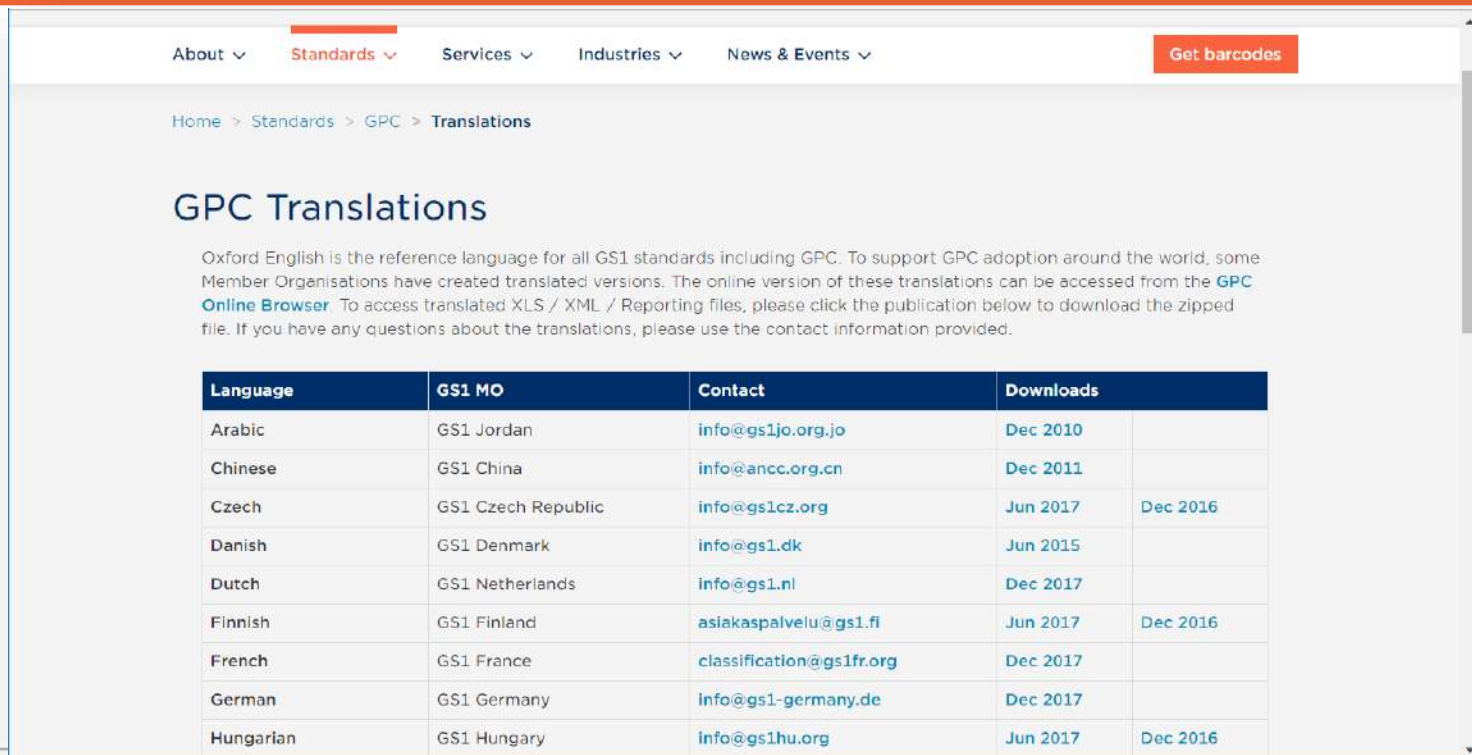
Changes to note:

- Cut Christmas Tree brick deleted and replace by Genus specific bricks with the attribute 'without Rootball'.
- Modification to Event tents/marquees and description of Camping tents to ensure proper distinction and accurate implementation

% of Temporary GPC Brick Codes Passed through GDSN



GPC Translation Files Website



The screenshot shows the 'GPC Translations' page on the GS1 website. The navigation bar includes links for About, Standards (highlighted), Services, Industries, and News & Events, along with a 'Get barcodes' button. The breadcrumb trail is 'Home > Standards > GPC > Translations'. The main heading is 'GPC Translations'. Below it, a paragraph explains that Oxford English is the reference language for all GS1 standards, including GPC, and that translated versions are available for download. A table lists the available translations by language, GS1 Member Organisation (MO), contact email, and download dates.

Home > Standards > GPC > Translations

GPC Translations

Oxford English is the reference language for all GS1 standards including GPC. To support GPC adoption around the world, some Member Organisations have created translated versions. The online version of these translations can be accessed from the [GPC Online Browser](#). To access translated XLS / XML / Reporting files, please click the publication below to download the zipped file. If you have any questions about the translations, please use the contact information provided.

| Language | GS1 MO | Contact | Downloads | |
|-----------|--------------------|--|--------------------------|--------------------------|
| Arabic | GS1 Jordan | info@gs1jo.org.jo | Dec 2010 | |
| Chinese | GS1 China | info@ancc.org.cn | Dec 2011 | |
| Czech | GS1 Czech Republic | info@gs1cz.org | Jun 2017 | Dec 2016 |
| Danish | GS1 Denmark | info@gs1.dk | Jun 2015 | |
| Dutch | GS1 Netherlands | info@gs1.nl | Dec 2017 | |
| Finnish | GS1 Finland | asiakaspalvelu@gs1.fi | Jun 2017 | Dec 2016 |
| French | GS1 France | classification@gs1fr.org | Dec 2017 | |
| German | GS1 Germany | info@gs1-germany.de | Dec 2017 | |
| Hungarian | GS1 Hungary | info@gs1hu.org | Jun 2017 | Dec 2016 |

GPC Feedback Discussion

GPC Discussion

- That we need a broader discussion about GPC not only Brick Attributes
- Brick codes are assigned at different levels
 - Causes issues of bricks not fulfilling the data needs
- Aligned by level of products
 - How deep do we go in classification?
 - Right level?
- Product classification vs Product identification
- Clarify what GPC is meant to achieve

Product Lifecycle Management

GS1 Canada / Community

Product Lifecycle Management

- Discontinue Use Cases:
 - **Permanent Discontinuation**
 - Trade item that will no longer be manufactured
 - **Promotional Trade Item**
 - Trade item that has been modified from its normal structure to include a promotional offering that is physically affixed to the trade item
 - **Seasonal Trade Item**
 - Trade item that is only offered during certain parts of the year or is targeted to different seasons

Product Lifecycle Management

- **Permanent Discontinuation**
 - Trade item that will no longer be manufactured and no longer available for ordering
 - Attributes:
 - Discontinue Date
 - Last Order Date
 - Data Recipients require sufficient notice when GTIN is no longer available
 - Reason for Discontinuation

Product Lifecycle Management

- **Promotional Trade Item**

- Trade item that has been modified from its normal structure to include a promotional offering that is physically affixed to the trade item
- Attributes:
 - Promotion Type Code (Bonus pack, Sample, Free gift, etc.)
 - Start/End Availability Date Time

- **Seasonal Trade Item**

- Trade item that is only offered during certain parts of the year or is targeted to different seasons
- Attributes:
 - Seasonable Product (Christmas, Easter, Halloween, Spring, Summer, etc.)
 - Seasonal Availability Start/End Date Time

GDSN Network Release Management

Review Documents

- Review Community Room Documents

Validation Warnings Discussion

Validation Warnings Discussion

- Have to remove too many countries out of validations
- DP are catching issues right before implementation or right after implementation which is stopping Sync/Business
- Business value of validations vs. stopping Sync/Business
- Recommendation is needed from the User Group

GDSN Documentation

GDSN Documentation Discussion

- BMS ID
- Xpath
- Section 7.1 (BMS) into the GDD reports

Implementation of Standards

Discussion

- Request from GS1 Data Excellence Board
 - How to track the implementation of GDSN Standards

GDSN Medium Sized WR

Discussion – Next steps, defined process, etc...

- WR # 19 – 000014
 - GS1 Denmark
 - "...a common and harmonized approach to share status for data and media quality,"
- WR # 19 – 000230
 - GS1 France
 - "... the source data pool and local data pools cannot do the matching between CIC/PSC..."
- WR # 18 – 000063
 - GS1 Czech Republic
 - "...introduced local short IDs for GDSN attributes..."
- WR # 17 – 000273
 - 1Worldsync
 - "... to support B2C and speed to market, some of the GDS community feel we can introduce code lists faster than twice a year."

GDSN User Group

Discussion – Charter Review

- Review Charter Document
- Discussion

Meeting wrap up

Next steps

- Review Action items
- Next Scheduled Meeting
 - 09 – 13 September 2019
 - Lisbon, Portugal
- Adjourn