



The Global Language of Business

GS1 Standards Event – A digital experience

GDSN User Group

Alan Hyler, Director, GDSN
22 June 2020



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** and **end** promptly as scheduled
- **Be present** – avoid multi-tasking
- **Avoid distracting behaviour:**
 - Place mobile devices on silent mode
 - Avoid doing other work as much as possible
- **Be considerate**
 - Use chat function to ask questions
 - Raise hand before speaking freely
- **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

Agenda Review

Alan Hyler / Community

Welcome / Introductions

- Speaker Introductions

See Agenda

- Document new items

GS1 Data Governance

Susie McIntosh – Hinson / Alan Hyler

Governance

Proposed Governance Approved



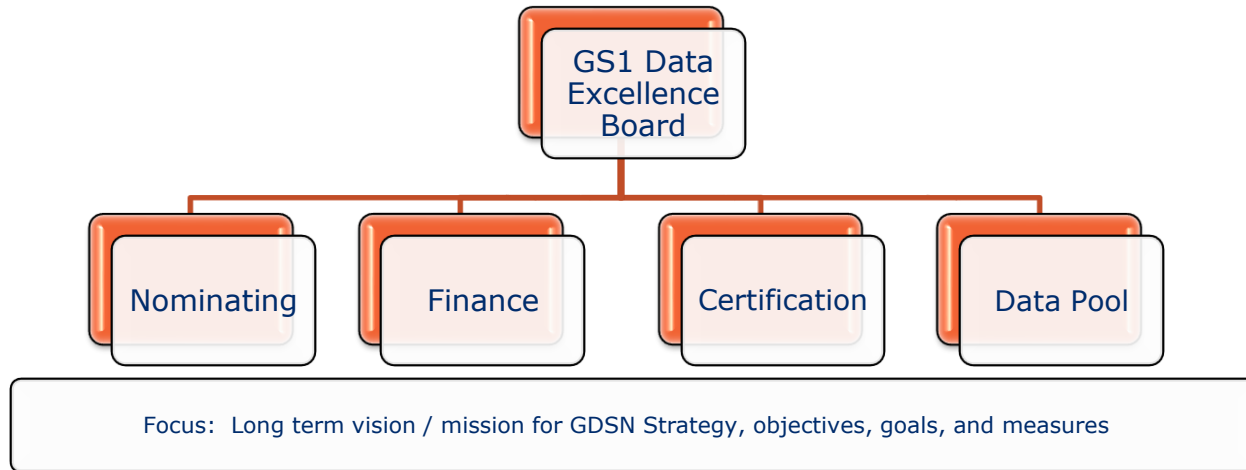
- * Constitutional committees :
- Nomination and Governance Committee
 - Finance & Audit Committee
 - Internal Compliance Committee
 - Compensation Committee

| | |
|-------------------|------------------------------|
| Governance Boards | Industry Advisory Committees |
| Management Bodies | HO Advisory Committees |

GS1 Data Excellence Governance Structure

February 2020

Oversee and govern: GDSN and GDSN Global Registry



Non-Chartered Advisory Groups



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

Financial:

- 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 (February 2020)

| <u>Board Member</u> | <u>Organisation</u> | <u>Board Member</u> | <u>Organisation</u> |
|------------------------------|---------------------|------------------------|---------------------|
| Vincent De Hertogh | Delhaize | Jean-Marc Klopfenstein | Nestle (Chairman) |
| Marina Guegan | Carrefour | John Phillips | Pepsico |
| Markus Tkotz | Markant | Lori Schrop | J.M. Smucker |
| Christian Zaeske | Metro | Laurent Seroux | Procter&Gamble |
| JP De Villiers | Walmart | Grant Hodgkins | Smith and Nephew |
| Nate Whitten | Lowes (Co-Chairman) | JP Devilliers | Walmart |
| Anja Wiese | Dr. Oetker | Vivek Nadadur | Johnson & Johnson |
| Paul Salay | Syndigo | Pieter Maarleveld | GS1 EU |
| Dave Ralph | Commport | Maria Palazzolo | GS1 Australia |
| Marc Blanchet | Viagenie | Art Smith | GS1 Canada |
| Harris Diamand | 1WorldSync | Jan Somers | GS1 BelgiëLux |
| Stefan Hesse | Alkemics | Thomas Fell | GS1 Germany |
| Mike Nickituk | Nielsen / | Lars Kyed | GS1 Denmark |
| Brandbank Rafael Florez | Logyca Servicios | | |
| Renud De Barbuat (President) | GS1 GO | | |



The GDSN Board has four standing committees: Finance, Certification, Nominating and Data Pool

The Global Language of Business

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GDSN UG Charter Update



- Latest Version 3.2
- Alignment with GDSN Strategy and Governance
- Errata updates
- Available in GDSN User Group Community Room

GDSN Strategy and looking forward

Renaud de Barbuat

GDSN Strategy

GDSN Vision, Mission and Governance

GDSN Vision and Mission

- Vision: Deliver Business value that enables growth of global value chains through continuous synchronization of product information among trading partners.
- Mission: Be the valued leader enabling growth of a neutral, standards-based environment for reliable and efficient exchange of quality data across industry sectors, regions, markets, trading partners, for the benefits of consumers and patients.

GS1 Data Excellence Board of Directors (DE Board) purpose

- The GS1 Data Excellence Inc. corporation has been created as subsidiary of GS1 A.I.S.B.L. to oversee the Global Data Synchronization Network (GDSN).
- The purpose of its Board of Directors is to set direction for and to govern GDSN to ensure that we successfully deliver the vision and mission today and in the future. The DE board acts by delegation of the GS1 Management Board who is responsible for the overall GS1 strategy and governance.

When product information is accessible and accurate, your business wins

Strategic Objectives:

- Strengthen the Foundation through transparency and compliance
- Enable Data Quality and integrity through implementation, measuring and monitoring of standards
- Simplify GDSN through modernized technology and processes
- Strengthen the GDSN brand to enable increased growth and adoption

..... to ultimately benefit consumers and patients

GDSN Strategy

Strategic Objectives

Strengthen the foundation through transparency and compliance (technical / business)

- **Consistent implementation** of GDSN **across Data Pools (DP)** and **Trading Partners (TP)**
- DP Interoperability and Certification adherence
- DP Policy and procedure enhancements to align with GDSN Strategy components, specifically GDM governance and data quality

Enable data quality and integrity through GS1 standards implementation, measuring and monitoring

- Deployment, adoption and update of GDSN global data standards
- GDSN readiness and support to implement GDM and GDM validation rules
- Validation rule transparency of network users
- Enhanced validation rule handling

Simplify GDSN through modernized technology and processes

- API driven network communications and Connectivity (Global Registry-DP, DP-DP, DP-TP)
- Enhanced message exchange
- Continuous improvement of network release management
- Integration with GS1 Data Services Strategy

Strengthen the GDSN brand to enable increased growth and adoption

- Increase number of customer references, NPS (Net Promoter score, brand recognition)
- Increase usage by existing recipients, number of new recipients, number of new data sources



The Global Data Model (GDM) will simplify and harmonise product data, thus enabling seamless data exchange globally and locally



**Defines
product
attributes in a
clear, business
friendly
manner**



**Standardizes
attributes
required for
product data
exchange**

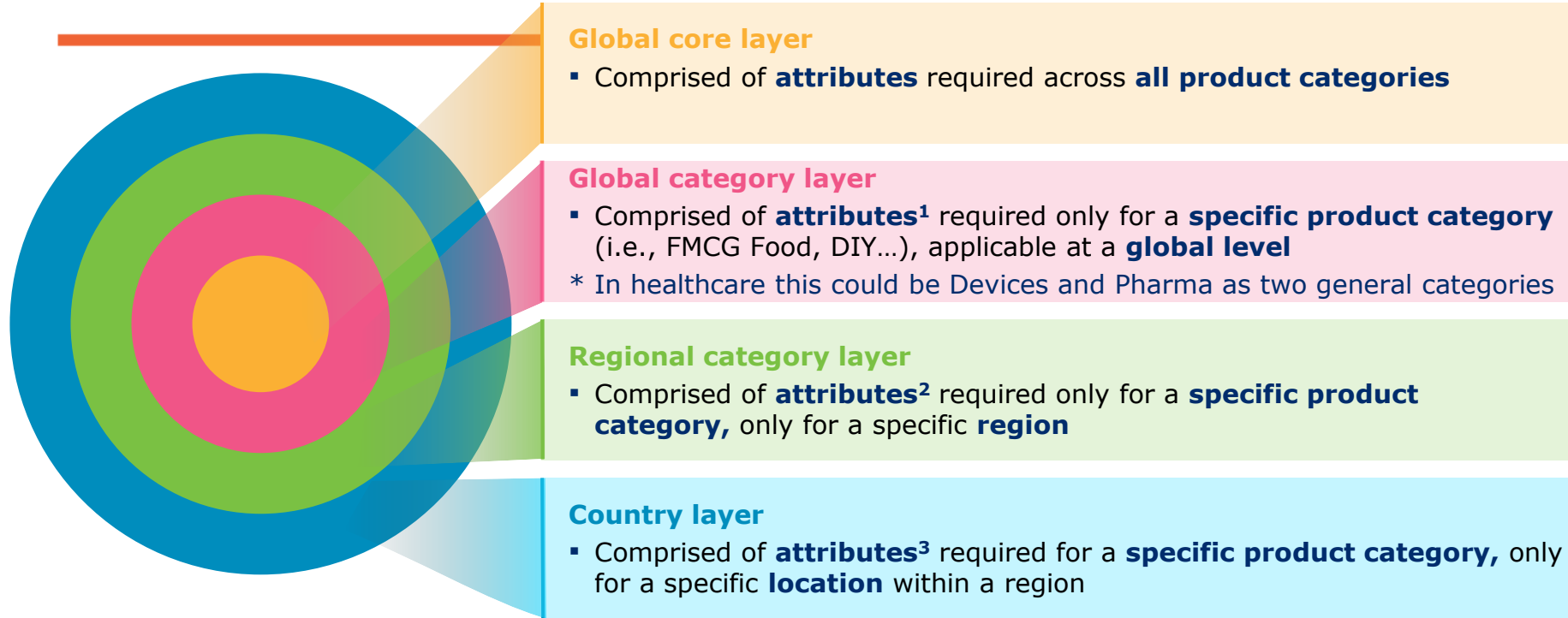


**Accounts for
varying needs by
category, region
and location**



**Supports
seamless,
technology
agnostic data
exchange**

GDM uses the concept of layers to identify product attributes required for data exchange



¹ These attributes are mandatory or optional depending on the product subcategory (e.g. "Storage temperature" is mandatory for "Meat" subcategory, while it's not mandatory for "Canned shelf stable products" subcategory)

² These attributes are mandatory or optional depending on region (e.g. "Allergen statement" is mandatory in North America region due to regulatory requirements, while it's not mandatory in other regions)

³ These attributes are mandatory or optional depending on country (e.g. "Packaging Material Quantity" is mandatory in some countries, while it's not mandatory in others)

GDSN Strategy

Objectives and Measures

| Objectives | Illustrative Measures | Universal Measures |
|---|--|--|
| Strengthen the foundation through transparency and compliance | DP Interoperability & Compliance <ul style="list-style-type: none"> Data Pool Dashboard: Established DP connections DP Audit results (compliance) | Happy Customers (Net Promoter Score) <ul style="list-style-type: none"> Establish Satisfaction Survey (next slide) Growth & Adoption <ul style="list-style-type: none"> Increased % of GTIN / GLN in network (note: additional work Yr 1 on GTIN to GLN ratio measure) Measure real usage of GDSN at an aggregate level (Yr 1 define and establish process / survey) |
| Enable data quality and integrity through GS1 standards implementation, measuring and monitoring | Data Quality <ul style="list-style-type: none"> DP readiness to implement GDM and associated validation rules To be further defined Yr 1 as part of DQ solution development / pilot | |
| Simplify GDSN through modernized technology and processes | Simplification <ul style="list-style-type: none"> Release management metrics DP adoption of enhanced communication (API) and VR handling | |
| Strengthen the GDSN brand to enable increased growth and adoption | Improved digital media reach and website engagement <ul style="list-style-type: none"> Increased Web traffic: unique views on gs1.org & DP websites, visits from social media Increased engagement on our website: bounce rate, use case views, conversion from gs1.org to DP sites | |



GDSN Strategy

Growth objective

Past growth trends, momentum has slowed due to:

- The top Retail CPG companies are already in the network, next tier trading partners have not engaged with GDSN

Network growth trends / opportunities for growth:

- Healthcare Sector is currently trending with the largest # GTINs in 2019 / 20
- Apparel – The largest # GTINs in the GR
- Regulations like EU 1169 helped drive GDSN adoption in EU
- GDSN has evolved from B2B to B2C in functionality and attributes
- Verified by GS1 customers are looking for ways to get their GDSN data into the GS1 GR Platform
- Countries where the GDSN 'standard' is being used but not in the GDSN 'network'
- Other sectors with untapped potential: DIY, Automotive after market parts, Toys, Marketplaces

Summary: Ambition **Quality Growth**

- Main areas: Food, Non-Food, Marketplaces, Healthcare, New Geographies



GDSN Strategy Commitment

GS1 Executive Committee and **GS1 Data Excellence Board Member Companies, Data Pools,** and **GS1 Member Organisations** committed to support the GDSN strategy by:

- Aligning goals,
- Harmonizing implementation of GDSN standards,
- Improving Data Quality,
- Ensuring customer satisfaction

GDSN Marketing Update

Nicolas Frerejean / Romain Hourtiguët

Who we are: the marketing team at GDSN

Nicolas Frerejean



Romain Hourtiguët



Your dedicated Marketing team for GDSN!

Our revamped GDSN marketing programme

GDSN Marketing plan

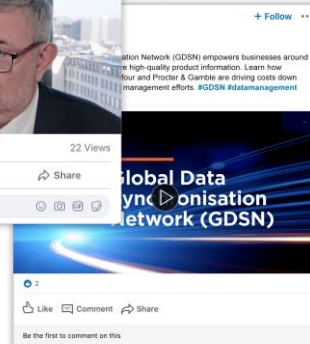
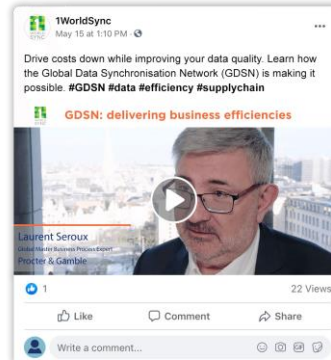
Marketing assets

When product information is accessible and accurate, your business wins.



[Find out more about GDSN](#)

Video campaign



Newsletter plan



Introducing the GDSN marketing plan

GDSN vision

Deliver business value that enables growth of global value chains through continuous synchronisation of product information among trading partners.

Our key strategy enablers:

- Strengthen the foundation through transparency and compliance
- Enable data quality and integrity through implementation, measuring and monitoring of standards
- Simplify GDSN through modernised technology and processes
- **Strengthen the GDSN brand to enable increased growth and adoption**

... to ultimately benefit consumers and patients.



To increase growth and adoption, we must strengthen the GDSN brand across the network



More visible

To drive non-users to our websites



New tone of voice

- **Customer-centric:** stress the benefits, not the technology
- **Simple:** use every-day words to explain the value created for all businesses
- **Consistent:** all use the same materials to **stand out as a network**



New communication materials

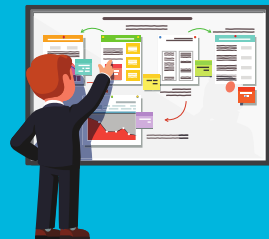
- ❖ New description
- ❖ New key visuals
- ❖ New digital button



More understandable

To engage non-users with a data pool

The thought process



Proprietary data sharing systems are not good enough.

- 1 **Sellers** need to share product information with all their retailers
- 2 **Buyers** need to get product information from sellers

GDSN provides an efficient way to exchange quality product data

Our service enables these actors to **list, move, store and sell a product on their market.**

GDSN is cost-efficient, reliable and fast.

- 1 **Cost-efficient** because it eliminates manual processes and leads to less errors
- 2 **Reliable** because it uses global standards and universal product attributes
- 3 **Fast** because product information is only entered once for all markets

The new GDSN assets

**When product
information is accessible
and accurate,
your business wins.**



The Global Data Synchronisation Network (GDSN) is the world's largest product data network.

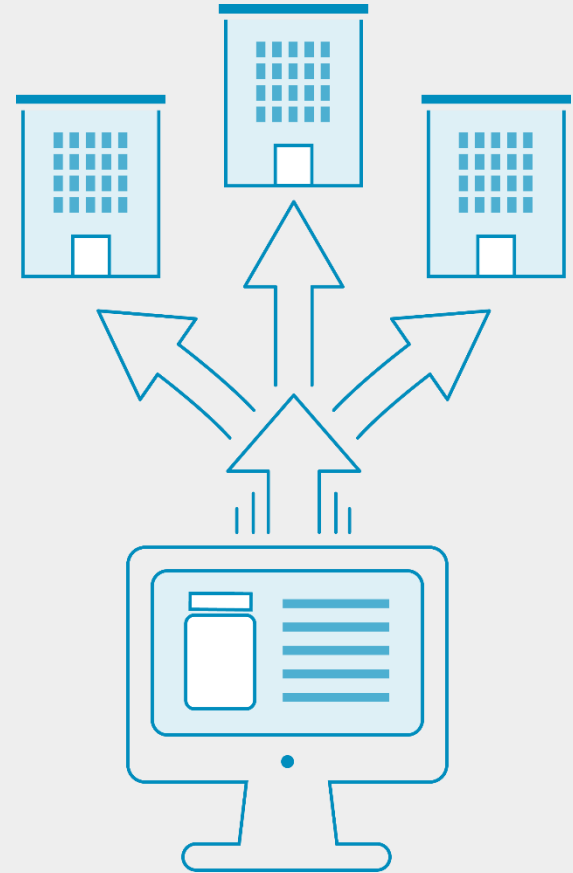
GDSN makes it possible for any company, in any market, to share high-quality product information seamlessly. Because companies of all sizes need the same thing—timely and reliable product information—to ultimately benefit consumers and patients.



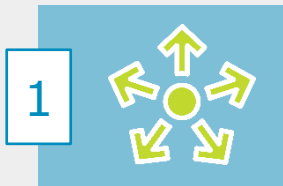
With GDSN, high quality product content is uploaded, maintained and shared automatically, ensuring trading partners have immediate access to the most current and complete information needed to exchange products on both local and global markets.

Any company that needs to send or receive product information can take advantage of GDSN by subscribing to a data pool.

Your data pool will enable you to set up your product content and synchronise it with all your trading partners, so you can plug in reliable data for all markets at one time.



GDSN realises powerful benefits for your business:



1

Share real-time product content with all trading partners simultaneously



2

Decrease data management time and costs



3

Eliminate manual processes and reduce errors, generating quality



4

Bring new products to market quickly and easily



5

Enable brand transparency to consumers and patients

New digital button to be used across the whole network



[Find out more about GDSN](#)

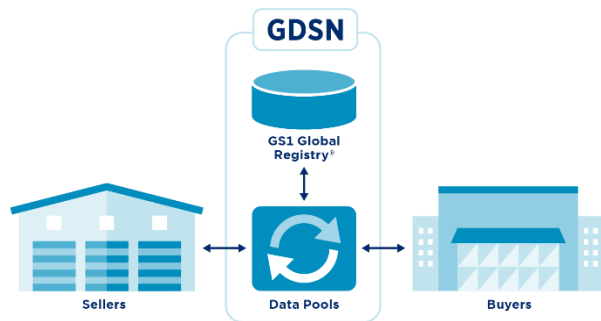
- Clickable
- Opens a new tab towards gs1.org
- For visitors to get more detailed content

To be placed on webpages presenting GDSN on data pools websites.

New schemas for “how GDSN works”

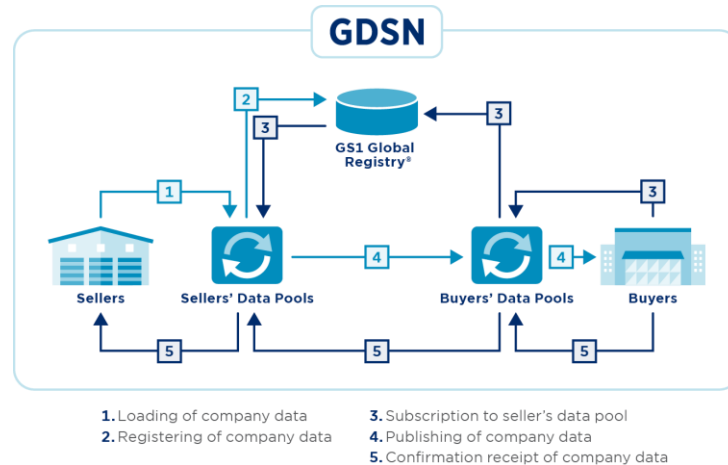
Simple

– for most uses



Extended

– for technical audiences only



Well done to the data pools which have done the implementation!

ALKEMICS



Comport

GDSN : When product information is accessible and accurate, your business wins

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GDSN realizes powerful benefits for your business:

- ✓ Share real-time product content with all trading partners simultaneously.
- ✓ Decrease data management time and costs
- ✓ Eliminate manual processes and reduce errors, generating quality
- ✓ Bring new products to market quickly and easily
- ✓ Enable brand transparency to consumers and patients



| GS1

When product information is accessible and accurate, your business wins

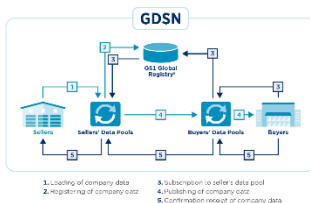
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Comport's Datapool Services

When product information is accessible and accurate, your business wins.

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- Enable brand transparency to consumers and patients



Find out more about GDSN



The Global Language of Business

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Marketing initiatives

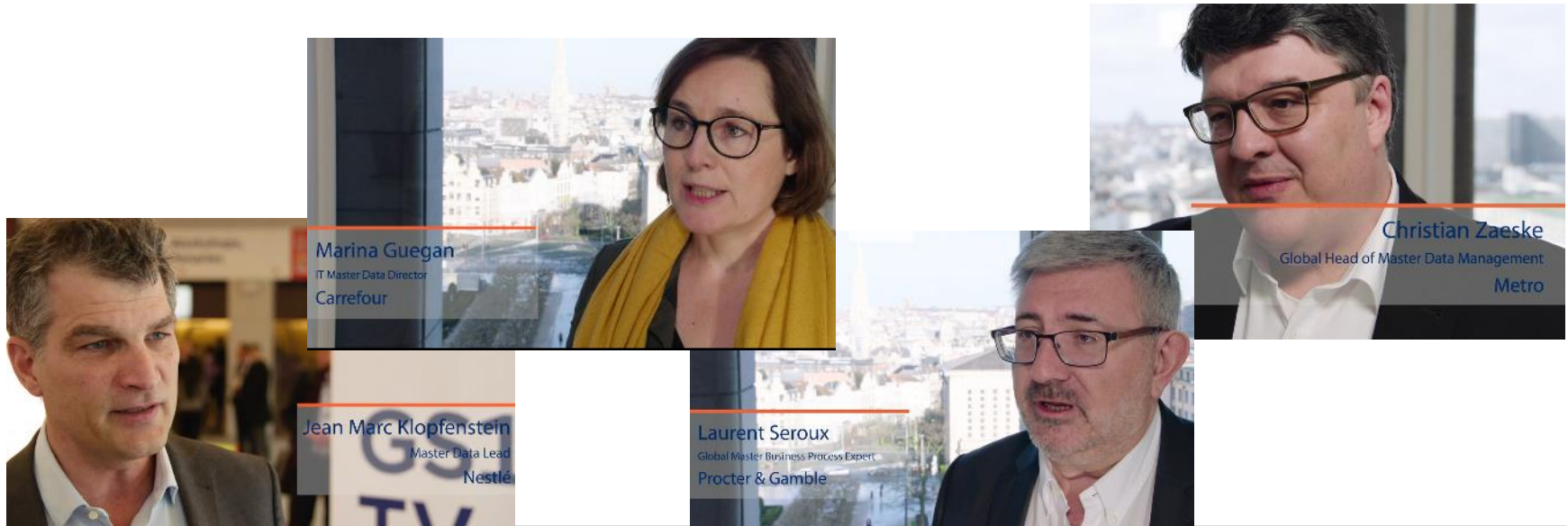
- Video campaign on social media
- Newsletters

The background of the slide features a dynamic, abstract design. It consists of numerous bright blue and cyan light streaks that sweep across the frame from the top right towards the bottom left. A prominent, glowing orange-red horizontal band serves as a backdrop for the main title. The overall aesthetic is futuristic and high-tech, suggesting themes of digital communication or global networks.

GDSN video campaign plan

What we gathered: 4 voices from the industry, around two themes

- 1) GDSN: delivering business efficiencies
- 2) GDSN: bringing value to consumers and patients



What we made out of it: 10 videos

Crafted for social media

- Short & impactful
- To be shared by the data pools
- In a 2 month-campaign

Using our strengths

We use our network to run a campaign that ensures large coverage:
More countries, markets, languages, medias



The background of the slide features a dynamic, abstract design. It consists of numerous bright blue and cyan light streaks that sweep across the frame, creating a sense of motion and energy. These streaks are set against a dark, deep blue background. A prominent horizontal band of solid orange color runs across the middle of the slide, serving as a backdrop for the title text.

GDSN Newsletters

Need: share more information outside of meetings

3 basic reasons to this initiative

1. Share more information on a more regular basis
2. Ensure a minimum common level of information about the business
3. create more contact points between us partners

GDSN in action, a newsletter for you and from you.

Keep an eye on your mailbox this week...
for stories from the following data pools:

- 1WorldSync
- GS1 Belgilux
- GS1 China
- Syndigo
- And also strategic and technical updates



Expected benefits

More **dynamism**
within the network

More **participation** in
punctual actions and
campaign, and more
feedback afterwards

More **commitment**
to the GDSN
strategy

More **awareness**
around GDSN
externally

More of a **community**
feeling

Wrap up

How GDSN should look tomorrow

- Use of “**one voice**”
- Strong awareness of “**what it is**” and “**why it is important**”
- Multiplication of **initiatives** from all actors of the community

✓ **Consistent**

✓ **Customer-centric**

✓ **Simple**

Description

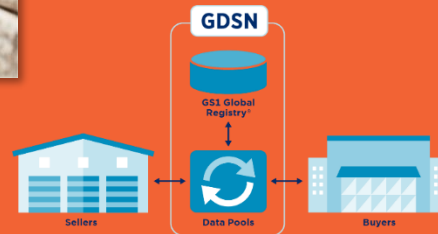
When product information is accessible and accurate, your business wins.



Digital button



Key visuals



Next steps

Let's leverage the strength of our network to create an actual community

Getting engaged:

- Data pools are **implementing the assets**
- Send us your **suggestions of news** that are worth spreading
- Be on the lookout for the **upcoming initiatives**, starting this month

Who we are: the marketing team at GDSN

Nicolas Frerejean

Director Global Marketing, Retail and Data

nicolas.frerejean@gs1.org



Romain Hourtiguët

Digital Project Manager

romain.hourtiguët@gs1.org



Your dedicated Marketing team for GDSN!

The background of the slide is an abstract composition of light streaks. The top half features dark blue streaks that curve downwards towards the center. The bottom half features a bright blue light source on the left, from which multiple streaks of varying colors (blue, cyan, and orange) radiate outwards. A solid orange horizontal band spans the middle of the slide, serving as a backdrop for the text.

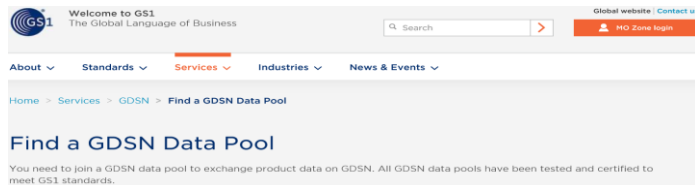
Thank you

GDSN in Review

Alan Hyler

GDSN by the Numbers

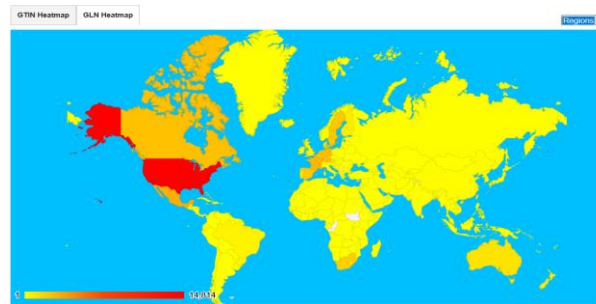
44 Certified Data Pools



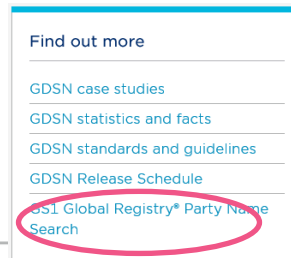
Over 33 Million GTINs



Over 58 Thousand Trading Partner GLNs



GS1 Global Registry Party Name Search



GDSN Growth

Prior to March '20:

- FY 19 / 20 Growth Objectives GTINs & GLNs at risk, momentum had slowed
- We were anticipating an increase in network momentum as a result of identified network growth trends / opportunities, GDSN strategy initiatives

March '20:

Global pandemic prompted us to further assess implications to the overall network (Opportunities / Risks), we found

- **GDSN remains foundational for Trading Partners (mission critical)**
- **Continuity of operations is ensured (Global Registry and releases)**
- **Foresee positive network growth trends and opportunities but at a delayed timeframe , up to June 2021**

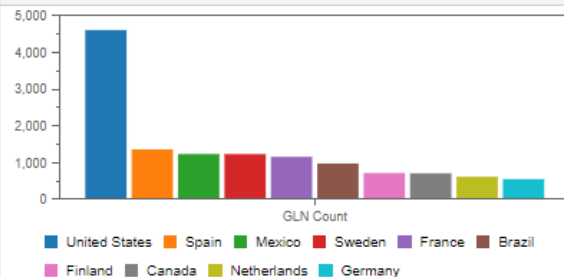
GDSN Statistics – Year to Date

| July 1, 2019 | | | % Change in 2019 (July 1, 2019 - June 12, 2020) | June 12, 2020 | | |
|-----------------------------------|--|------------|--|-----------------------------------|--|-------------|
| | | TOTALS | | | | TOTALS |
| Active Data Pools | | 39 | 10.3% | Active Data Pools | | 43 |
| Trading Partner GLNs | | 55,357 | 5.6% | Trading Partner GLNs | | 58,463 |
| Subscriptions Sent | | 2,787,083 | 22.0% | Subscriptions Sent | | 3,400,628 |
| Subscriptions Matched | | 2,249,104 | 11.8% | Subscriptions Matched | | 2,515,056 |
| Subscriptions Matched by Item | | 88,415,767 | 22.7% | Subscriptions Matched by Item | | 108,490,825 |
| Recipient DP Subscription Matches | | 88,415,767 | 22.7% | Recipient DP Subscription Matches | | 108,490,825 |
| Registered Items (GTINs) | | 30,999,837 | 6.6% | Registered Items (GTINs) | | 33,035,634 |
| GTINs Coded with GPC | | 28,320,707 | 7.3% | GTINs Coded with GPC | | 30,396,249 |
| | | 91% | 0.7% | | | 92% |

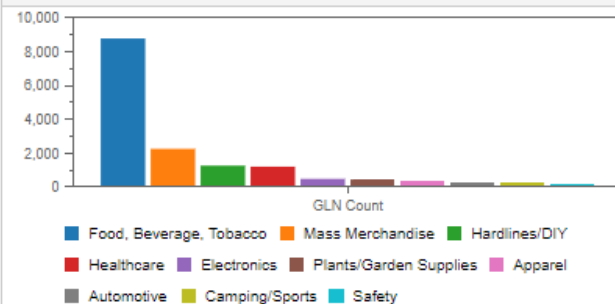


GDSN Growth – GLN Trends

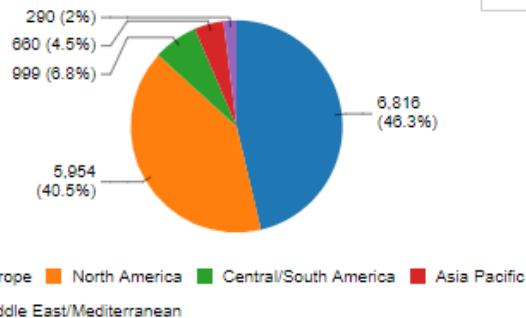
GLN by Target Market



GLN by Sector

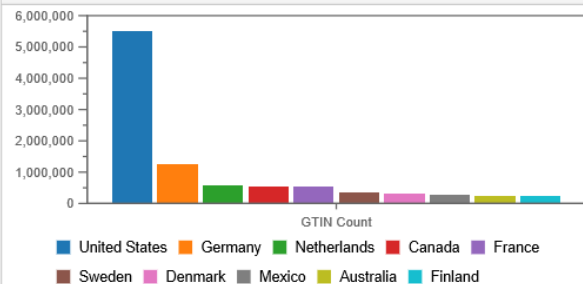


GLN by Region

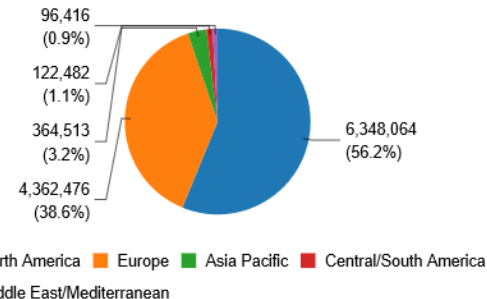


GDSN Growth – GTIN Trends

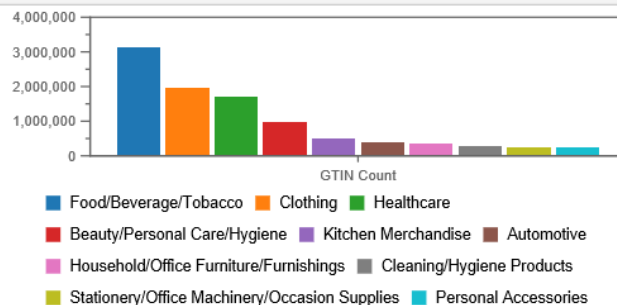
GTIN by Target Market



GTIN by Region



GTIN by GPC



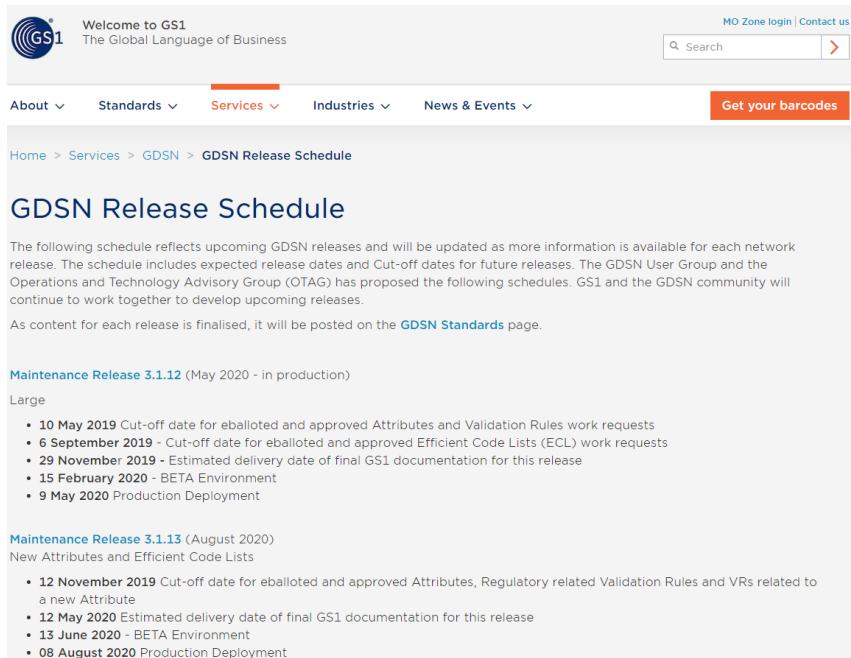
GDSN Release Management Review

Alan Hyler / Maryam Mirza

GDSN Release Roadmap

- Key Milestones
- Links to Standards
- Increased Visibility
- Frequent Updates

<https://www.gs1.org/services/gdsn/gdsn-release-schedule>



The screenshot shows the GS1 website's GDSN Release Schedule page. The header includes the GS1 logo, the tagline 'Welcome to GS1 The Global Language of Business', and links for 'MO Zone login' and 'Contact us'. A search bar is also present. The main navigation menu includes 'About', 'Standards', 'Services' (which is highlighted), 'Industries', and 'News & Events'. A red button labeled 'Get your barcodes' is located on the right side of the navigation bar. Below the navigation bar, the breadcrumb trail reads 'Home > Services > GDSN > GDSN Release Schedule'. The main heading is 'GDSN Release Schedule'. The text below explains that the schedule reflects upcoming GDSN releases and will be updated as more information is available. It mentions that the GDSN User Group and the Operations and Technology Advisory Group (OTAG) have proposed the following schedules. GS1 and the GDSN community will continue to work together to develop upcoming releases. It also states that as content for each release is finalised, it will be posted on the 'GDSN Standards' page. The page lists two maintenance releases: 'Maintenance Release 3.1.12 (May 2020 - in production)' and 'Maintenance Release 3.1.13 (August 2020)'. Each release has a list of key milestones and dates.

Home > Services > GDSN > GDSN Release Schedule

GDSN Release Schedule

The following schedule reflects upcoming GDSN releases and will be updated as more information is available for each network release. The schedule includes expected release dates and Cut-off dates for future releases. The GDSN User Group and the Operations and Technology Advisory Group (OTAG) has proposed the following schedules. GS1 and the GDSN community will continue to work together to develop upcoming releases.

As content for each release is finalised, it will be posted on the [GDSN Standards](#) page.

Maintenance Release 3.1.12 (May 2020 - in production)

Large

- **10 May 2019** Cut-off date for eballoted and approved Attributes and Validation Rules work requests
- **6 September 2019** - Cut-off date for eballoted and approved Efficient Code Lists (ECL) work requests
- **29 November 2019** - Estimated delivery date of final GS1 documentation for this release
- **15 February 2020** - BETA Environment
- **9 May 2020** Production Deployment

Maintenance Release 3.1.13 (August 2020)

New Attributes and Efficient Code Lists

- **12 November 2019** Cut-off date for eballoted and approved Attributes, Regulatory related Validation Rules and VRs related to a new Attribute
- **12 May 2020** Estimated delivery date of final GS1 documentation for this release
- **13 June 2020** - BETA Environment
- **08 August 2020** Production Deployment



GDSN 2019 – 20 Releases

Network functionality enhancements (4 annual releases / 1 dedicated to Healthcare functionality if required):

| Jul - Sep 2019 | Oct – Dec 2019 | Jan – Mar 2020 | Apr-Jun 2020 |
|---|--|---|--|
| Release 3.1.9 Attributes / ECL (Aug 2019) | Release 3.1.10 Small (Nov 2019) | Release 3.1.11 Attributes / ECL (Feb 2020) | Release 3.1.12 Large (May 2020) |
| Consumer Instructions, Delivery Purchasing Information, Sales Information, Certification Information, Target Consumer, Health Relations Information and others | New Attributes, Errata, Validation rules, Local Code Lists, Efficient Code Lists, AVP updates | New Attributes, Errata, Validation rules, Local Code Lists, Efficient Code Lists, AVP updates | Pet food nutritional attributes, New Nutritional program attributes, New attribute for Cannabis, New Valid Values, and others |

Maintenance release 3.1.13 (8 August)

New Attributes and Efficient Code Lists release

Status: Documentation uploaded to maintenance release page

Release encompasses:

- Over **15 GSMP** Work Requests that accounted for:
 - 3 new attributes with 30 associated codes
 - Over 50 Efficient Code Lists
- Highlighted features that were deployed:
 - New attributes for apparel and cosmetics

Maintenance release 3.1.14 (7 November)

Small Release

Status: Documentation to be delivered week of 29 June

Release encompasses:

- Over **50 GSMP** Work Requests that accounted for:
 - 18 new attributes with 11 associated codes
 - Over 100 Efficient Code Lists
 - Addition of 12 new Validation Rules
- Highlighted features that were deployed:
 - EU battery regulatory information attributes
 - Exchanging Complex nutrients for food
 - Additional packaging & sustainability attributes

Maintenance release 3.1.15 (15 May 2021)

Large Release / EUDAMED

Status: Development in process

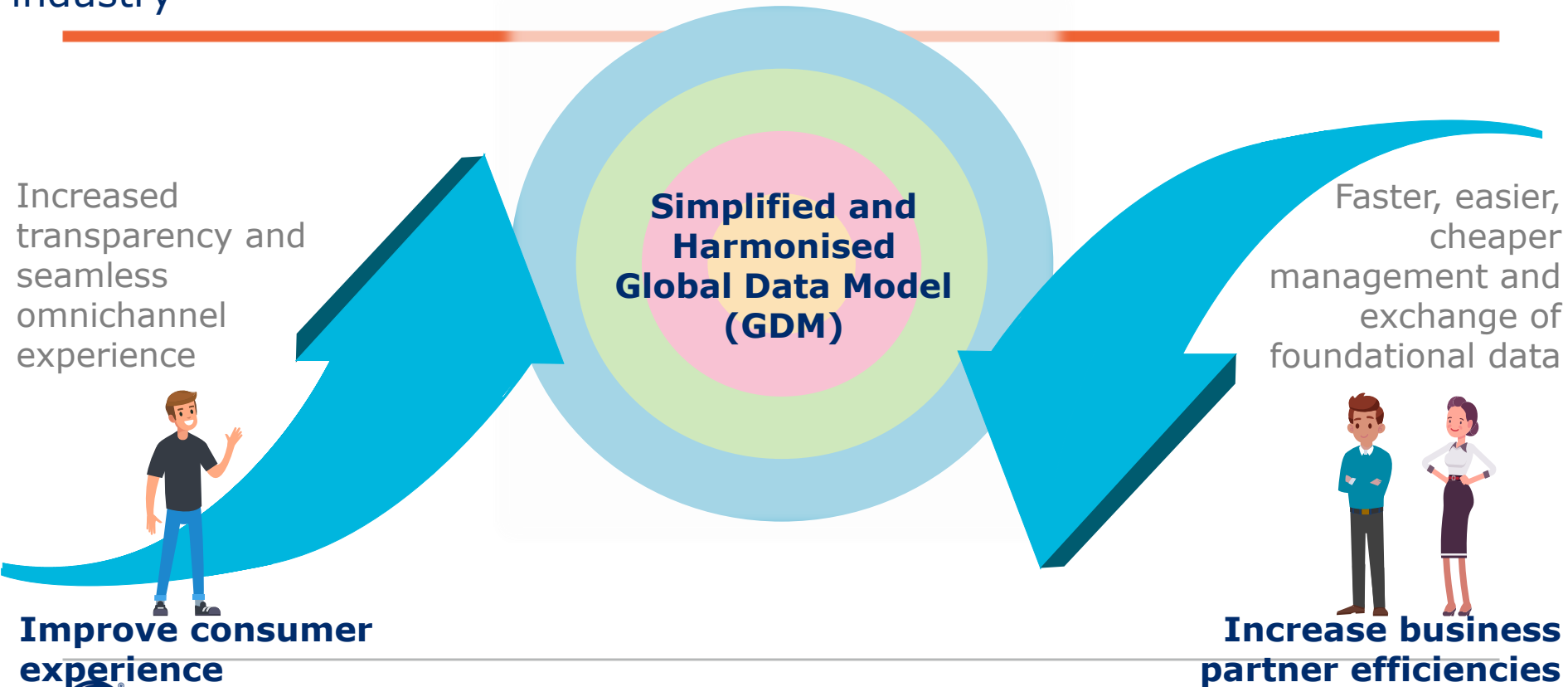
- CPG / General Merchandise requirements:
 - 22 new Attributes
 - Over 600 Codes
 - Around 5 new Validation rules
- EUDAMED requirements:
 - Nearly 60 new attributes
 - Over 250 new codes

NOTE: Previously approved requirement **Global Model Number** will be added at this time

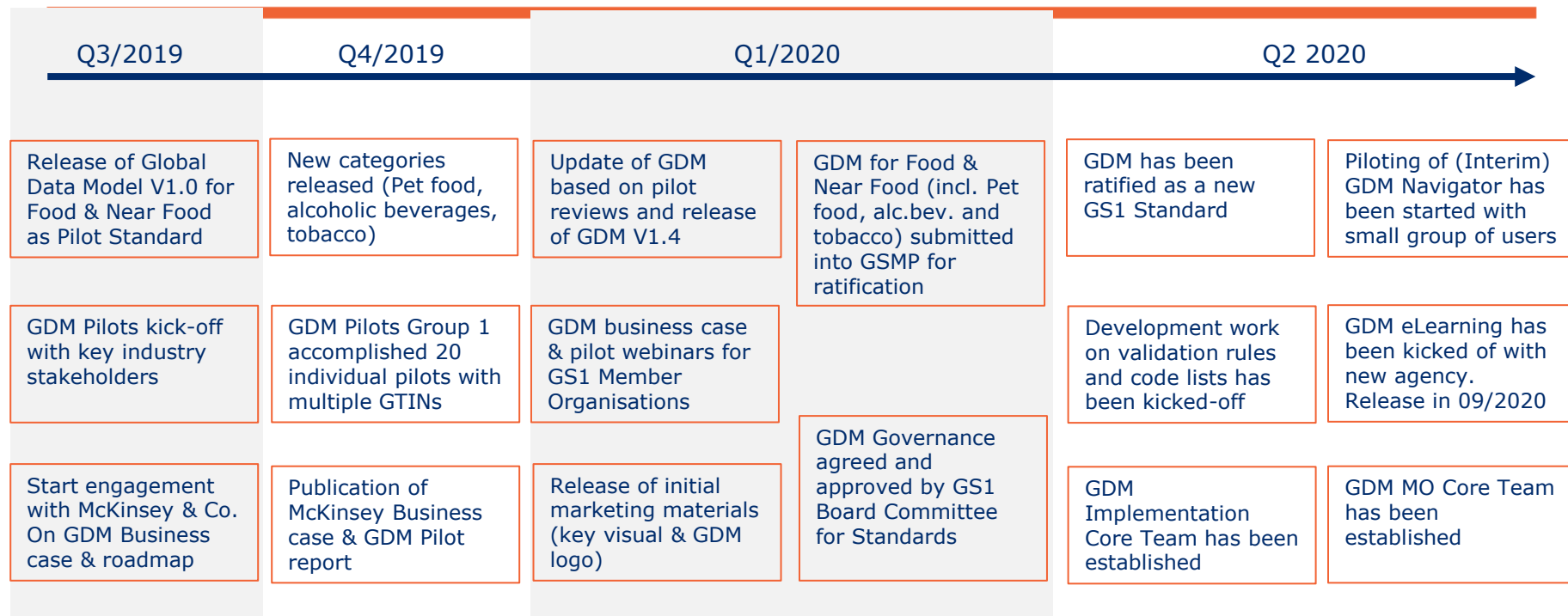
The GS1 Global Data Model Update

Markus Mueller

Overall, the Global Data Model will enable improved consumer experience and will reduce complexity by harmonising foundational data across the industry



GDM - Recent Achievements



Getting ready to implement the GS1 Global Data Model

- **More than 50% of CGF Data Coalition members are planning to implement the Global Data Model across 10 countries in 2020!**

Q3/Q4 2019

Pilots & business case

Creating the foundation

1

Q1/Q2 2020

GDM & ADB

Standard

Fast ratification

2

Q2-Q4 2020

Implementation & adoption

Initiate & orchestrate GDM implementation together

3

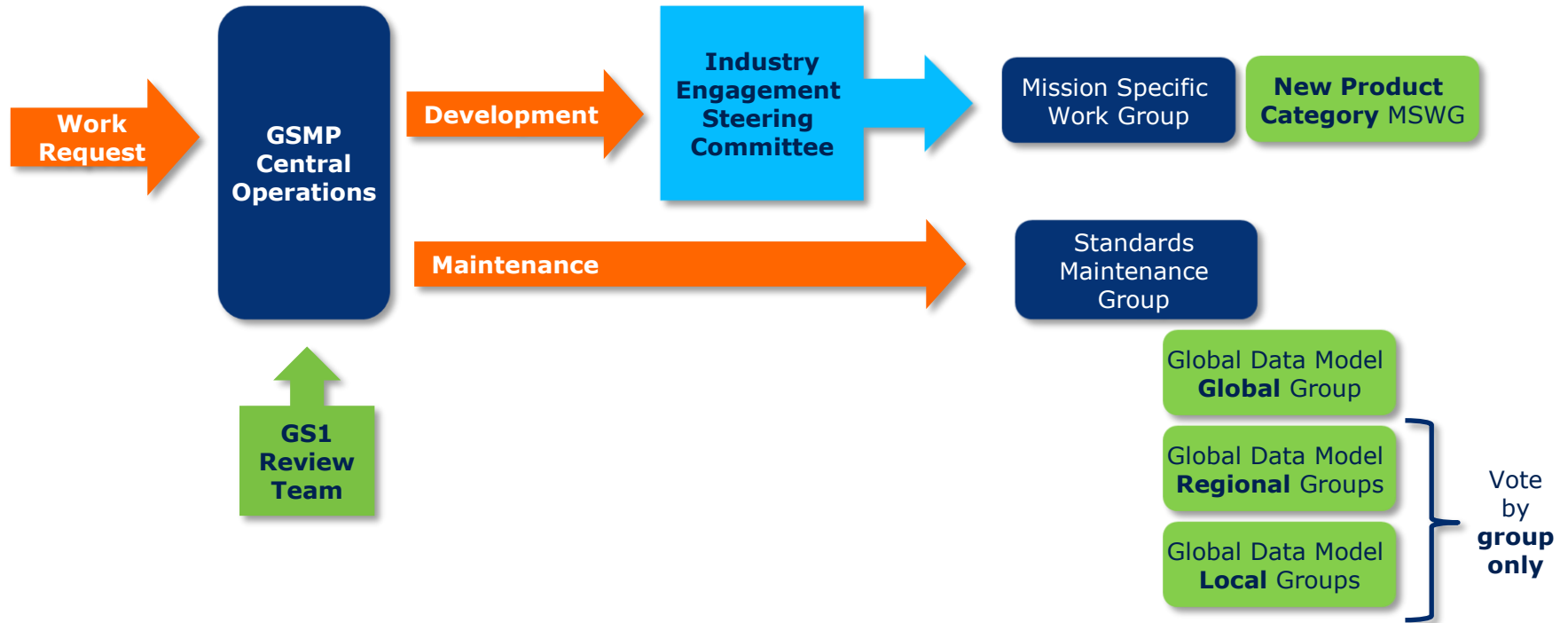
GDM Programme – work in progress

- Development of Code Lists and Validation Rules for the GDM
- Continue the Attribute Definitions for Business work for additional attributes identified as part the GDM development work
- Create a business implementation guide and an attribute implementation guide including an extensive set of example images that highlight the usage statements.
- Develop a GDM eLearning for industry and GS1 MOs
- Lay the foundation for industry and GS1 MOs to move from piloting to implementation of the Global Data Model with supporting materials to be assembled in an extensive deployment kit.
- Formation of Local and Regional Governance teams that will be responsible for the ongoing maintenance and further harmonization of the GDM Local and Regional layers.
- Development & Piloting of an (Interim) GDM Navigator

Global Data Model (GDM) Governance: High Level Structure



Global Data Model standard development process



GDM/GDSN Validation Rules - Phased approach

Ambition is to create and test the minimum set of global technology agnostic validation rules for the GDM Core Layer.

- The team will pilot this ambition with the 7 Verified by GS1 attributes over the summer months.
- **Step1** – Collect global GDSN VR, local GDSN VR and data quality rules, VbG validation rules and new DQ observation rules
- **Step2** – discuss with a small team of industry, MO and data pool experts on the feasibility to create a minimum set for the 7 attributes
- **Step3** – agree on a minimum set of global technology agnostic validation rules
- **Step4** – functional acceptance testing with industry, MOs and data pools
- **Step5** – jointly decide on further steps

Questions

✉ globaldatamodel@gs1.org



GS1 in Europe Update

Tomáš Tluchoř

GDSN User Group & OTAG

Update on GS1 in Europe activities related to GDSN

GS1 Standards Event 2019, A Digital Experience
22nd of June 2020



-

Origin of primary ingredients in the EU 1169/2011 Guideline

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 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.



Updated EU 1169/2011 Guideline, version 2.6

Available for download at www.gs1.eu/publications



The Global Language of Business

GDSN Implementation Guidelines for EU Regulation 1169/2011

GDSN Implementation Guidelines for EU Regulation 1169/2011 - V 2.6

The latest version of the GDSN Implementation Guidelines for EU Regulation 1169/2011, now with provenance of primary ingredients

02 Apr 2020

Type:  Download: 

Chapter 6 Provenance of the primary ingredient

What can you find in the chapter

- General principles
- 4 use cases with pictures to provide clear guidance
- Known exceptions

The chapter is 5 pages long

schinken (EU), Speisesalz, Dextrose, natürliche Aromen, Antioxidationsmittel.
trit. (GB) **COOKED HAM. INGREDIENTS:** pork leg (EU), salt, dextrose, natural
ervative: sodium nitrite. (F) **JAMBON CUIT. INGRÉDIENTS :** cuisse de porc
ascorbate de sodium, conservateur : nitrite de sodium.



General principles

1. Use trade item level attributes

- Ingredient level attributes are currently only implemented in Finland for this use case

2. **provenanceStatement** is used when information about origin of primary ingredients is displayed as a **separate claim** on the label (including end of ingredient statement)

3. **ingredientStatement** is used when information about origin of primary ingredient is displayed **within ingredient statement** on the label (not as a separate claim at the end of ingredient statement)

Beware of **exceptions** at some markets – documented in the guideline.

Other topics

New validation rules from Europe

- Finalised: GSMP **WR-20-000177** submitted to **add 7 new validation rules** and add more markets in **2 existing rules** (524 and 590).
 - They are already implemented by local data pools in several EU markets
 - B2B2C group harmonised them (created aligned wording)
 - They will only be applicable to markets that opted-in
- In process: validation rule that would **prevent use of invalid prefixes**
 - E.g. Prefixes not yet assigned to any country
 - Intended as a global rule
 - Implement as warning only at start

Work on removing disalignments

- Codes for Intrastat: **INTRASTAT** vs INTRASTAT_COMBINED_NOMENCLATURE
- **DataCarrierTypeCode** vs DataCarrierFamilyTypeCode
- Provenance statement – different rules on populating – trying to align
- If you know of any cases that should be looked at, please let us know

Global Data Model in Europe

Data Excellence User Board & Global data model on 3rd July

- Virtual meeting (9:00 – 11:00 CEST) open to both the industry and MOs
- Two main topics:
 - Implementation in Europe
 - Governance of GDM in Europe
- If interested, contact Henk-Jan (henkjan.timmerman@gs1eu.org)



Contact Information

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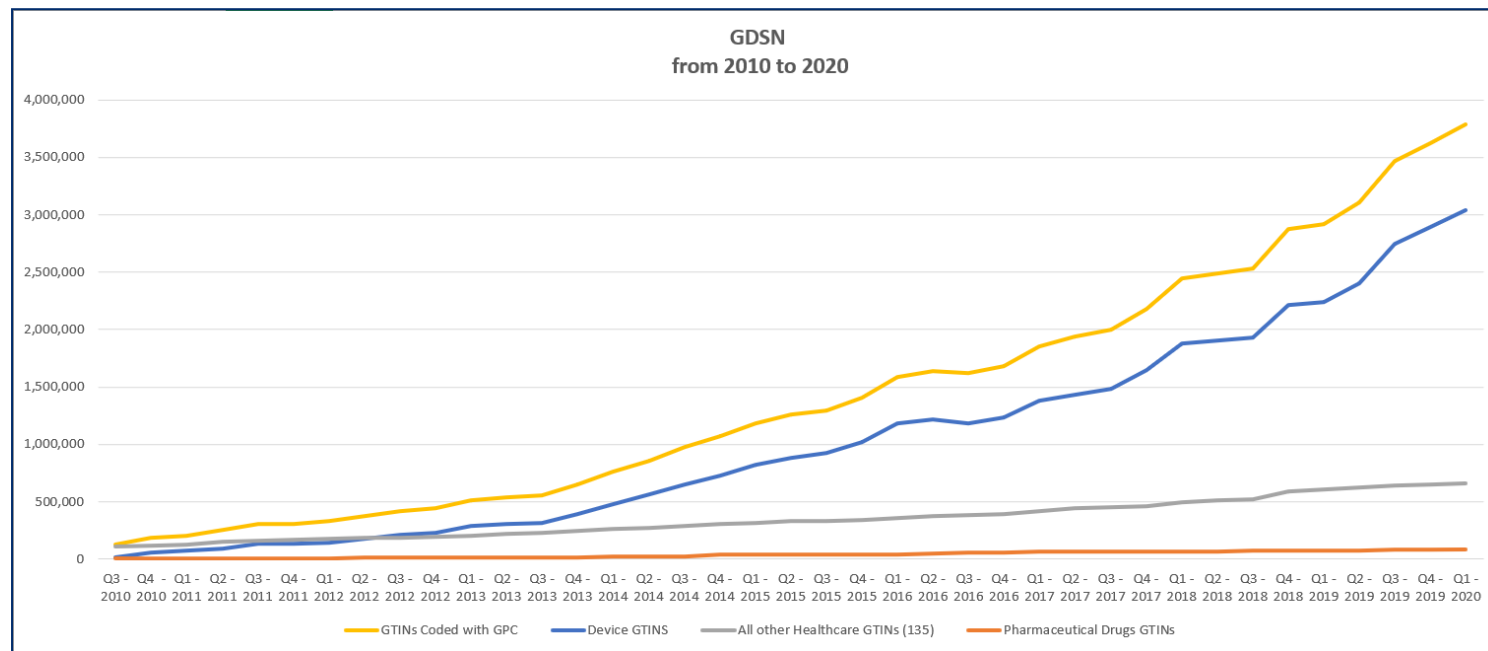


GS1 Healthcare Update

Peter Alvarez

GDSN in healthcare: 2010 to 2020

- **3.9 million GTINs & 5,671 Source GLNs**



EU MDR and EUDAMED

- Adding new attributes and code lists to GDSN
 - Contact steven.robba@gs1.org if you are interested in joining the GMD focus group
- Target May 2021 for GDSN release
 - Allows 12 months for device manufacturers to prepare and test
- Complete mapping guide to be completed after GSMP work
 - Will be available in the GS1 Healthcare Public Policy database, with all HC other regulatory documents

China UDI - NMPA

- NMPA to GDSN mapping document and implementation guide completed by GS1 China
- GS1 China is providing guidance to interested parties on piloting and general directions on data registration
- Contact peter.alvarez@gs1.org for more information

GS1 Global Product Classification Update

Daniel Clark

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



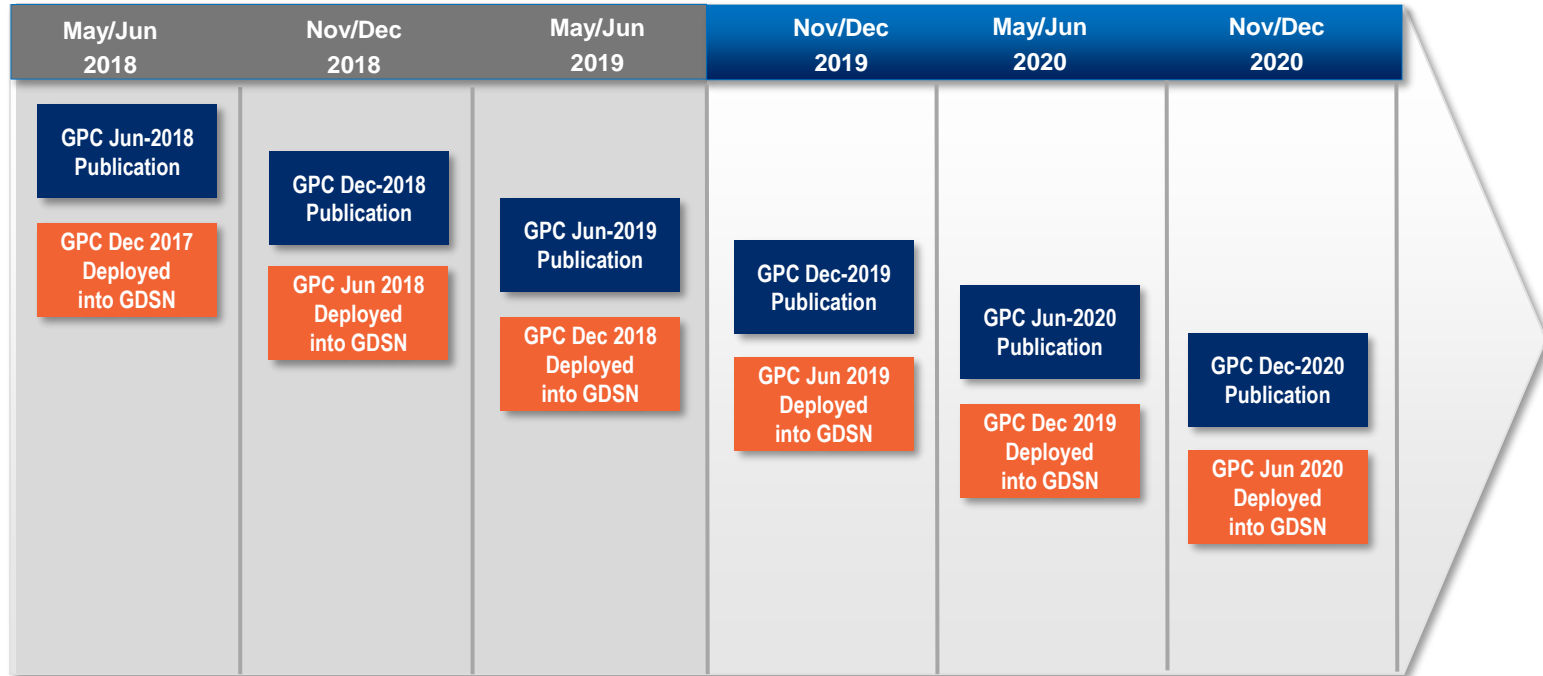
GPC Releases

- 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

*Currently under review to align with GDSN



GPC deployment into GDS



GPC December 2019 Publication Schedule



GPC Publication 12 2019

22 Work Requests Processed

- Bricks: 7 added; 11 Modified; 2 deleted
- Attributes: 513 added; 94 modified; 14 deleted

Changes to note:

- Two new classes added: Currency/Certificates & PrePaid Cards/Gift Cards/Vouchers to house 4 Bricks (Bills; Bank Notes/Cheques; Coins; Digital Currency)
- Multiple submissions for Cosmetics and Beauty; new Bricks were created to course correct what was previously existing in the Schema.

GPC Publication 06 2020

50 Work Requests Processed

- Bricks: 57 added; 41 Modified; 22 deleted
- Attributes: 5321 added; 28 modified; 350 deleted

Changes to note:

- Major modification to the infant age added, including to items that were not already designated as infant specific.
- Alcohol free submission added 7 new bricks and modified the identification of non-alcoholic/dealcoholized beverages.
- Military/EMT saw the addition of new families/Classes and Bricks

GPC Current Workflow

- 7 WRs in queue

Up Coming...

- Additions to Cannabis
- GDSN alignment
- Clothing textile changes

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

GDSN vs. GPC Attribute Duplication

Benjamin Couty

RFF GPC / GDSN

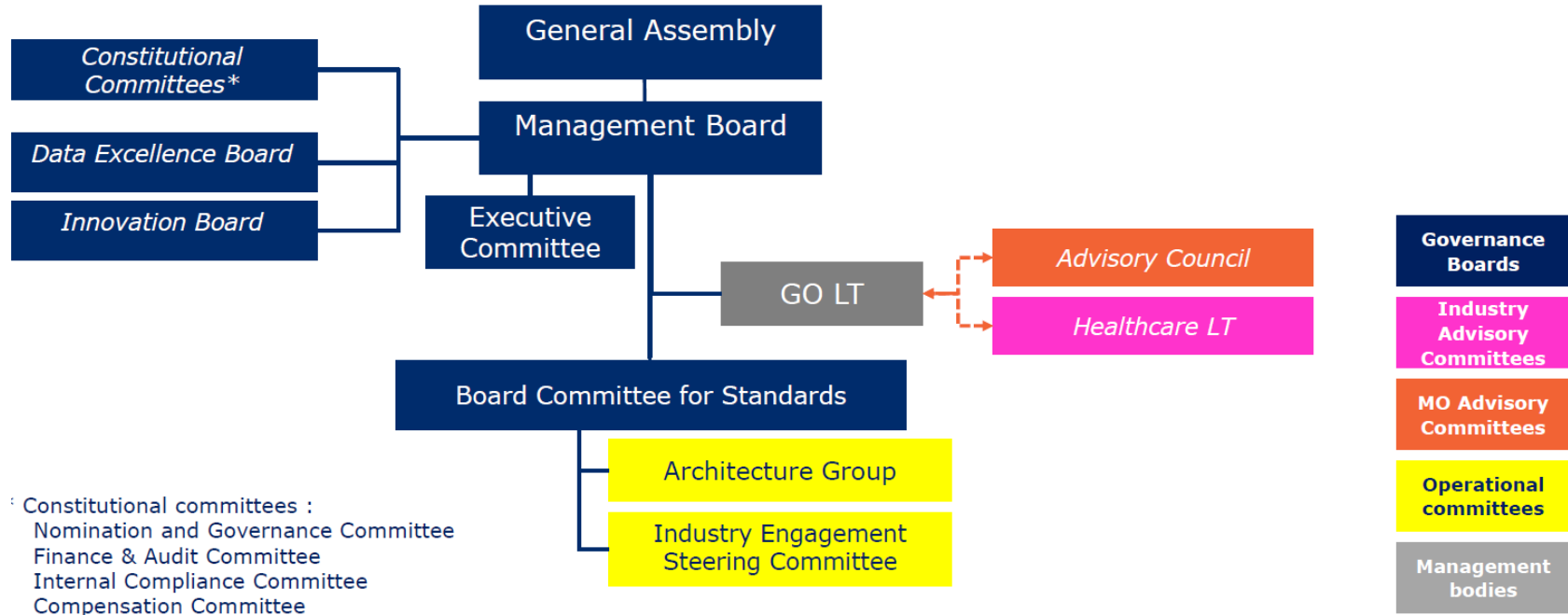
Presentation to the GDSN User Group

benjamin.couty@gs1fr.org, Head of Standardisation & Expertise @ GS1 France
GS1 Standards Event – 2020/06/22

Agenda

- GS1 Organisation / Architecture Group responsibilities / RFF principles
- Concern
- Context: Some figures and use cases
- Analysis: Summary of the issues
- Main conclusions of the AG
- Architecture recommendations
- Next steps
- Annex

GS1 Governance



Architecture Group responsibilities

- **Review** business requirements, standards and services development
- **Ensure** the Architecture is aligned to GS1 Strategy, Vision, and Mission
- **Advise** the GS1 Global Office on liaisons with third party standards organisations
- **Respond** to questions submitted by members of the GS1 community

→ Visit www.gs1.org/architecture

Members of the Architecture Group

MOs

Xavier Barras, GS1 France
Kevin Dean, GS1 Canada
Roberto Matsubayashi, GS1 Brasil
Staffan Olsson, GS1 Sweden
Paul Reid, GS1 UK
Sue Schmid, GS1 Australia
Eugen Sehorz, GS1 Austria
Ralph Tröger, GS1 Germany
Amber Walls, GS1 US

GO

Henri Barthel
Robert Beideman
Maneesh Naganand

Users / SPs

Marc Cox, Philips
Vera Feuerstein, Nestle
Mark Harrison, Milecastle Media
Seán Lightholder, Wal-Mart
Sylvia Rubio Alegren, ICA
John Terwilliger, Abbott
Gina Tomassi, Pepsico
Andrew Tuerk, Syndigo
Elizabeth Waldorf, TraceLink
Junyu Wang, Auto-ID Lab

Requests for Finding

- Complex questions that can be submitted by anyone
- Findings include recommendations that may lead to standards enhancements
- Findings have been issued on multiple topics:
 - Analysis and Recommendations – GPC and GDSN
 - GS1 Id key allocation via third parties
 - GTIN Reuse
 - Typing within the GS1 System
 - Using external identifiers in the GS1 System
 - Attributes associated with multiple GS1 ID Keys
 - GS1 Company Prefix usage and definition in all GS1 Standards
 - Use of the term Brand Owner in GS1 ID Key assignment
 - GTIN allocation when not assigned at source
 - Compatibility of GS1 EANCOM and GS1 XML for non-transactional messages
- ... and more

Concern

The use of GPC attributes in GDSN is causing duplication of information in GDSN trade item

For instance :

- 2 solutions to express color of wine in GDSN :
 - TradeItemDescriptionInformation/Colour (external codelist or text)
 - GPC Attribute « 20000217 » (GS1 codelist)
- 2 solution to express that a milk is organic in GDSN :
 - OrganicInformation/OrganicClaim/organicTradeItemCode (100%, 95%, 75%, not organic, ...)
 - GPC attribute « 20000142 » (yes/no)
- 2 solutions to indicate the composition of a non-food product (table cutlery)
 - TradeItemMaterial/TradeItemMaterialComposition/materialCode (GS1 codelist+ content or percentage, ... if needed)
 - GPC attribute « 20000794 » (GS1 codelist)



The Request For Finding GPC/GDSN

Can the Architecture Group make some recommendations about how to solve this duplication issue between GPC and GDSN attributes when product information is shared using GDSN ?

https://www.gs1.org/sites/default/files/docs/architecture/GPC-GDSN_Analysis_Recommendations_i1.pdf

Context: The use of GPC Brick and GPC attributes

In GDSN (Global) :

- 92% of GTINs are coded with GPC bricks (other than 99999999)
- Adoption of GPC brick attributes in GDSN is extremely low: less than 1%.

| | FR | CA | US | AU | SE | DE |
|--------------------|-------------------|------------|-------------|------------|-------------|--------------|
| GPC bricks use | Y | Y | Y | Y | Y | Y |
| GPC attributes use | Alcool bev | Alcool bev | 1 recipient | 2,5% gtin | 1 recipient | FMCG product |
| | Raw meat | Apparel | | Alcool bev | Alcool bev | Fruit & Veg |
| | Table & Cook ware | | | Others | | |

- Other issue : Data pools do not always extend to the attribute, but rather stop at the brick level.

Context: Use cases (in GDSN)

| Level | Use cases | Benefits |
|-------------------------------------|---|--|
| Brick | To apply some validation rules for specific product categories | Improve Data Quality |
| Brick | In the GDSN Global Registry as a Subscription criteria | Allow data synchronisation between suppliers and retailers |
| Brick | In the GDSN Global Registry as a statistics element | Visibility about GDSN deployment regarding product categories |
| Brick | In GDSN documentation tools, to identify relevant GDSN attributes for a product category (in B2C perspective) | Improve GDSN documentation for end-users |
| Brick and attribute (type + values) | Mapping between suppliers and retailers internal classifications | "Pivotal" classification system that facilitates the links between suppliers and retailers classification |
| Brick and attribute (type + values) | As technical characteristics attribute | Language agnostic method to exchange information Link between a product category and relevant information |

Context: Use cases (out of GDSN)

| Level | Use cases | Benefits |
|--|---|--|
| Brick | OECD - For non-food product to organise and classify product recall by product category and by hazard. | Improve product recall operation and allow relevant statistic information among all countries |
| Brick | U.S. International Trade Data System - Combined with GDSN attributes, to have better information about the products entering the US and to better target inspections. | Improve product visibility across borders, improve consumer security, and deliver significant cost savings to industry, government, national regulators, and customers alike |
| Brick | GS1 Activate tools and other product registration tools to identify the relevant data model regarding the product category | Improve end user experience by forwarding him the relevant data model. |
| Brick | In the seven attributes required for VbG as statistics element | To monitor product categories deployment in Verify By GS1 |
| Brick and attribute (type + values) | To do request for quotation (RFQ) on fresh fruits and vegetables (Metro & Edeka + NL Markets (Frugicom.nl)). | Accurate RFQ and reporting. |
| Brick and attribute (type + values) | To do auctions for fresh and cut flowers and plants (NL market). | Accurate auctions and reporting. |

Analysis: Summary of the issues

Technical issue

- 2 attributes for the same information

Creation process issue

- 2 SMG without communication between them

Main conclusions of the Architecture Group

The AG identified duplication problems between GPC attributes and GDSN attributes in the GDSN process

Using GPC attributes in GDSN Trade Item messages is a problem and it must be solved in the GDSN Trade Item Module Library BMS by the relevant GSMP group

Since the GDSN Trade Item Module Library BMS and GPC standard are used separately, both must be kept in the GS1 system (including GPC attributes).

The Architecture Group suggests to use a semantic approach to ensure consistency between the different standards

The introduction of GDSN contexts (based on GPC Bricks) could be a good solution to support the selection of attributes that are relevant for certain product category. Such approach could be done in broader context of semantic (independently of specific syntaxes)

The AG suggests to define methodology/rules, based on the architecture principles, to help SMG to design new attributes in GDSN and GPC

Architecture recommendation (short term)

Remove GPC attributes from GDSN messages

- **Eliminate the use of GPC attributes in GDSN, but they would still exist in GPC.**
- With this solution, it will be possible to use GPC Bricks to create the context and to identify the relevant GDSN attributes (product characteristics) for the concerned product. This solution was studied by the Global Data Model team who considered that this approach would facilitate product description attributes implementation.
- This solution solves the Technical Duplication issue

Architecture recommendation (medium – long term)

Define a semantic ontology or data model and taxonomy

- In the current context, it's necessary to describe three times the same product in GPC attributes, in GDSN attributes, in GS1 Web Vocabulary. From a semantic point of view, the information is the same (e.g. Colour of the wine). **One option could be to describe the data model for each class of product:**

| | Colour | Vintage | Grapes | Size |
|---------|--------|---------|--------|------|
| Wine | X | X | X | |
| Apparel | X | | | X |

- Such description will be independent of the way information is shared. Due to technical legacy issue, it will be possible to share automatically the information twice without any issue like inconsistency...

Governance recommendation

One SMG for GPC and GDSN?

One SMG for GPC and GDSN?

- The charge in term of workload and the technical duplication are due to the duplication of the governance. **One solution may be to define one instance (SMG) to manage a semantic model shared by both GPC, GDSN and GS1 Web Vocabulary.** It will be a SMG focused on a semantic approach for sharing data, starting in this case, by master data.
- Such approach could be broader to other GS1 Standards include Product Characteristics like AI for barcode or Despatch Advice (i.e. Fish characteristics) .
- One of the benefits of this proposal would be to collect all available expertise on grouping attribute by product category.

Next steps

- The AG made recommendations
- From the technical point of view : It is the role of the relevant working group(s) to address the issue and work to solve it.
- From the process point of view : This is the role of the Business Committee of Standard

Questions ?

Thank you for your attention !

B2C Attributes in GDSN

Tomáš Tluchoř

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.**

Party in Role vs. Contact

Nordine Eddaoudi

Party in Role vs Contact Type

- Party in Role was meant to represent a legal entity that had some connection to the trade item.
- Contact Type was meant as a means to contact various parties and capture label contact information. This was added as part of support of 1169.
- Global Data Model recognised contact type as needed attributes to support global exchange of contact label information

Party in Role vs Contact Type

| | | | |
|---------------|-----|---------------------------------|---|
| PartyInRole | 95 | Class | Party name and identification information for a party relevant to the trade item for example Information Provider. |
| gln | 99 | GLN | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification. |
| partyAddress | 100 | String | The address associated with the party. This could be the full company address. |
| partyName | 101 | String | The name of the party expressed in text. |
| partyRoleCode | 102 | Party Role Code | A code that identifies the role of a party in a business transaction. |

Additional attribution includes
additionalPartyIdentification
structuredAddress

Party in Role vs Contact Type

| TradeItemContactInformation | 120 | Class | Contact details for a Trade Item. |
|-----------------------------|-----|--|---|
| availableTime | 121 | Description70 + Language Code | The time that a specific contact for a Trade Item is available for contact. |
| contactAddress | 123 | string | The address associated with the contact type. For example, in case of a contact type of CONSUMER_SUPPORT, this could be the full company address as expressed on the trade item packaging or label. |
| contactDescription | 124 | Description200 + Language Code | A description of the contact for the trade item. |
| contactName | 126 | string | The name of the company or person associated with the contact type. For example, in case of a contact type of CONSUMER_SUPPORT, this could be the company name as expressed on the trade item packaging or label. |
| contactTypeCode | 127 | Contact Type Code | The general category of the contact party for a trade item for example Purchasing. |
| gln | 128 | GLN | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification. |

Additional attribution includes
 additionalPartyIdentification
 structuredAddress
 communicationChannel

Contact Type Code values

| | |
|-----|--|
| AA | Insurance contact |
| AD | Accounting contact |
| AE | Contract contact |
| AM | Claims contact |
| AP | Accounts payable contact |
| AR | Accounts receivable contact |
| BC | Banking contact |
| BJ | Department or person responsible for processing purchase order |
| BO | After business hours contact |
| BVP | Production Facility |
| BXA | Administrative |
| BYF | Financial |
| BZL | Licensee Registrar |
| CB | Changed by |
| CKE | Cook |
| CP | Responsible person for computer data processing |
| CR | Customer relations |
| CXC | Consumer Support |

| | |
|-----|--|
| CYC | Customer Support |
| CZL | Logistics |
| DE | Department/employee to execute export procedures |
| DI | Department/employee to execute import procedures |
| DIS | Distributor |
| DL | Delivery contact |
| DMO | Operations |
| DNR | Recall Support |
| DOG | GDS Contact |
| DPP | Packaging engineer |
| DQT | Target Market Information Provider |
| DSU | Unspecified |
| ED | Engineering contact |
| EXP | Exporter |
| GR | Goods receiving contact |
| HE | Emergency dangerous goods contact |
| HG | Dangerous goods contact |
| IC | Information contact |
| IMP | Importer |
| LO | Place of collection contact |

| | |
|-----|--|
| MGR | Manager |
| NT | Notification contact |
| OC | Order contact |
| PD | Purchasing contact |
| PM | Product management contact |
| PRC | Product Recall Notification Contact |
| PRM | Product Recall Media Contact |
| PRO | Product Recall Consumer Contact (GS1 Code) |
| PRR | Product Recall Removal Contact |
| QC | Quality coordinator contact |
| REA | Return Authority |
| SA | Sales administration |
| SD | Shipping contact |
| SR | Sales representative or department |
| TA | Traffic administrator |
| TD | Test contact |
| TR | Transport contact |
| WAC | Warranty Contact |
| WH | Warehouse |
| WLS | Wholesaler |
| ZZZ | Mutually Defined |

Party in Role values

| | | | | | |
|--------------------------------|-----------------------------|--------------------------------|--------------------------------|---|---|
| ACCEPTING_PARTY | Accepting Party | DOCK_DOOR | Dock Door | MARK_FOR | Mark For |
| BILL_OF_LADING_RECIPIENT | Bill of Lading Recipient | EMPTY_EQUIPMENT_DESPATCH_PARTY | Empty Equipment Despatch Party | MESSAGE_FROM | Message From |
| BILL_TO | Bill To | EMPTY_EQUIPMENT_RETURN_PARTY | Empty Equipment Return Party | MESSAGE_RECIPIENT | Message Recipient |
| BRAND_OWNER | Brand Owner | EQUIPMENT_OWNER | Equipment Owner | MINCER | Mincer |
| BREEDER | Breeder | EXPORTER | Exporter | OPERATING_DIVISION | Operating Division |
| BROKER_AGENT | Broker Agent | FACTOR | Factor | OPERATOR | Operator |
| BUYER | Buyer | FARM | Farm | ORDERING_PARTY | Ordering Party |
| BUYERS_AGENT_REPRESENTATIVE | Buyers Agent Representative | FARMER | Farmer | OWNER_OF_EQUIPMENT | Owner of Equipment |
| CARRIER | Carrier | FATTENER | Fattener | OWNER_OF_MEANS_OF_TRANSPORT | Owner of Means of Transport |
| CENTRAL_PAYMENT_SERVICE | Central Payment Service | FREIGHT_FORWARDER | Freight Forwarder | PARTY_DECLARING_THE_VALUE_ADDED_TAX | Party Declaring the Value Added Tax |
| CHECKING_PARTY | Checking Party | GOODS_OWNER | Goods Owner | PARTY_FOR_WHOM_ITEM_IS_ULTIMATELY_INTENDED | Party For Whom Item is Ultimately Intended |
| CHEQUE_ORDER | Cheque Order | GROWER | Grower | PARTY_RECEIVING_PRIVATE_DATA | Party Receiving Private Data |
| CONSIGNEE | Consignee | HEAD_OFFICE | Head Office | PARTY_RECOVERING_THE_VALUE_ADDED_TAX | Party Recovering the Value Added Tax |
| CONSOLIDATOR | Consolidator | IMPORTER | Importer | PARTY_TO_RECEIVE_ALL_DOCUMENTS | Party to Receive All Documents |
| CONSUMER | Consumer | INFORMATION_PROVIDER | Information Provider | PARTY_TO_RECEIVE_COMMERCIAL_INVOICE | Party To Receive Commercial invoice |
| COOPERATIVE | Cooperative | INSURER | Insurer | PARTY_TO_RECEIVE_ELECTRONIC_MEMO_OF_INVOICE | Party to Receive Electronic Memo of the Invoice |
| CORPORATE_IDENTITY | Corporate Identity | INTERMEDIARY_BANK_1 | Intermediary Bank 1 | PARTY_TO_RECEIVE_FREIGHT_BILL | Party To Receive Freight Bill |
| CUSTOMS | Customs | INTERMEDIARY_BANK_2 | Intermediary Bank 2 | PARTY_TO_RECEIVE_REFUND | Party To Receive Refund |
| CUSTOMS_BROKER | Customs Broker | INVENTORY_CONTROLLER | Inventory Controller | PAYEE | Payee |
| CUTTER | Cutter | INVENTORY_REPORTING_PARTY | Inventory Reporting Party | PAYER | Payer |
| DECLARANT_AGENT_REPRESENTATIVE | Agent Representative | INVOICEE | Invoicee | POINT_OF_SALE | Point of Sale |
| DELIVERY_PARTY | Delivery Party | ISSUER_OF_INVOICE | Issuer of Invoice | PRICE_LOCATION_PARTY | Price Location Party |
| DESIGNER | Designer | LOGISTICS_SERVICE_PROVIDER | Logistics Service Provider | PROXY | Proxy |
| DESPATCH_PARTY | Despatch Party | MANUFACTURER_OF_GOODS | Manufacturer of Goods | PUBLIC_WAREHOUSE | Public Warehouse |
| DISTRIBUTOR | Distributor | MANUFACTURING_PLANT | Manufacturing Plant | PURCHASE_ORDER_RECEIVER | Purchase Order Receiver |

Party in Role values

| | |
|---------------------------------|---------------------------------|
| REGISTERED_AGENT | Registered Agent |
| REMIT_TO | Remit To |
| RETURNABLE_ASSET_SERVICE_CENTRE | Returnable Asset Service Centre |
| SELLER | Seller |
| SERVICE_PROVIDER | Service provider |
| SHIP_FROM | Ship From |
| SHIP_TO | Ship To |
| SLAUGHTERER | Slaughterer |
| STORE | Store |
| SUBSTITUTE_SUPPLIER | Substitute Supplier |
| SUPPLIER | Supplier |
| TRADE_ITEM_RETURN_LOCATION | Trade Item Return Location |
| TRANSPORTATION_CARRIER | Transportation Carrier |
| VISITING_ADDRESS | Visiting Address |
| WAREHOUSE_AND_OR_DEPOT | Warehouse And Or Depot |
| WAREHOUSE_KEEPER | Warehouse Keeper |
| WHOLESALE | Wholesaler |

Overlap between both list of codes

| Code List | Code Value | codeName |
|-----------------|----------------------------|----------------------------|
| ContactTypeCode | DIS | Distributor |
| ContactTypeCode | EXP | Exporter |
| ContactTypeCode | IMP | Importer |
| ContactTypeCode | WLS | Wholesaler |
| PartyRoleCode | DISTRIBUTOR | Distributor |
| PartyRoleCode | EXPORTER | Exporter |
| PartyRoleCode | IMPORTER | Importer |
| PartyRoleCode | WHOLESALE | Wholesaler |
| ContactTypeCode | AA | Insurance contact |
| ContactTypeCode | CZL | Logistics |
| ContactTypeCode | DL | Delivery contact |
| ContactTypeCode | DMO | Operations |
| ContactTypeCode | MAN | Manufacturer |
| ContactTypeCode | OC | Order contact |
| PartyRoleCode | DELIVERY_PARTY | Delivery Party |
| PartyRoleCode | INSURER | Insurer |
| PartyRoleCode | LOGISTICS_SERVICE_PROVIDER | Logistics Service Provider |
| PartyRoleCode | MANUFACTURER_OF_GOODS | Manufacturer of Goods |
| PartyRoleCode | OPERATOR | Operator |
| PartyRoleCode | ORDERING_PARTY | Ordering Party |

Captured Items

- Overlap between codes simplify
- Do we need both classes. Normalisation in all countries.
- Party in Role is in GDSN Common
- Contact Type is in Shared Common
- OTAG: How often & how are they used.
- Implementation. Party Role Code is used 16 times.
- Possible Marked deprecation based on feedback.
- Define migration path. Either TIIG or New work request

5 Party Role where used, other messages also use

- I only found these

| | | |
|---|--|--|
| <u>TradeItem</u> | brandOwner/PartyInRole | Would Remain as-is |
| <u>TradeItem</u> | informationProviderOfTradeItem/PartyInRole | Would Remain as-is |
| <u>TradeItem</u> | manufacturerOfTradeItem/PartyInRole | Would Remain as-is |
| <u>TradeItem</u> | PartyInRole | Migrate to Contact Information |
| <u>FoodAndBeverageIngredientModule</u> | ingredientParty/PartyInRole | Determine business need. Maybe only Brand Name and GLN are needed? |

Action Steps

- OTAG: How often & how are they used.
- Migration and WR to get codes build in Contact.
 - Do we need all of the PartyInRole codes or just some
 - OTAG Query which are used?
- Determine best path for ingredient.
- There is also a need to clarify the definition of the two attributes of the party's role and the type of contact and to respond to these use cases:
 - I need to identify a contact in an organization: which attribute should I fill in?
 - I need to identify an organization type: Which attribute should I fill in?

Work Request Review and Prioritisation

Steven Robba / Maryam Mirza / Alan Hyler

WR 12-143 & 12-294

Submitter/company: Steven Robba / 1WorldSync

Date: April 6, 2012

Status: Pending Large Release

Business need:

Need to specify a grouping of products that cause Distribution restriction in certain trade channels

Description:

As continued with 11-175 there was a need to further define and categorize Brand Distribution Type by item. While some markets only need a high-level brand distribution category, other markets need additional segregation of the item. Add an attribute that is optional and repeating to enable this functionality. Recommendation BrandDistributionTradeItemType – definition: Categorization of the trade item to help further delineate product type with distribution type and trade channel. For example: Bulk, Private label, and Custom Label.

WR 12-353

Submitter/company: Neil Gray / GS1 UK

Date: December 12, 2012

Status: Pending Large Release

Business need:

Clearer understanding and define consistency of the level of containments to meet user requirements.

Description:

Add a new code to the levelOfContainment and make amendment to existing levelOfContainment code definitions to be more precise in meaning.

NOTE: Existing Code Values will be marked for Deprecation then actually removed on the next release after this requirement goes into effect.

WR 13-077

Submitter/company: Eileen Harpell / GS1 Global Office

Date: May 31, 2013

Status: Pending Large Release

Business need:

The ability to synchronize data for items below the Each level via the GDSN.

Description:

GDS Level Below the Each Simple Solution Path

WR 13-172

Submitter/company: Steven Robba / 1WorldSync

Date: November 13, 2013

Status: Pending Large Release

Business need:

Recommendation to simplify population of data: move all information about chemicals ingredients out of the Chemical Regulation Class.

Description:

Ease of populating chemical data only once. As part of the US Chemical Ingredient Pilot the following changes are needed to match the actual communication of chemical ingredients. While performing a pilot in the US, these gaps were noted. These changes are supported by the following companies. L'Oreal, SC Johnson, P&G, J&J, Church & Dwight, Reckitt Benckiser, Colgate Palmolive, 3M

WR 15-080

Submitter/company: Gina Tomassi / PepsiCo

Date: April 15, 2015

Status: Pending Large Release

Business need:

Need to align with business usage.

Description:

I would like to have tradeItemGroupIdentificationDescription language enabled text field that I can share with my trading partners. The current mapping doesn't make sense:

tradeItemGroupIdentificationCodeReference > tradeItemGroupIdentificationCodeReference
tradeItemGroupIdentificationDescription > tradeItemGroupIdentificationCodeReference/codeDescription

This should be a descriptive text to group similar products. For example: Chewy 8 CT



WR 15-239

Submitter/company: Scott Brown / GS1 US

Date: August 24, 2015

Status: Pending Large Release

Business need:

Change the name of the Module from TextileMaterialModule to be MaterialModule.

Description:

The name of the TextileMaterialModule has placed a naming restriction on the former MaterialComposition class. The name implies that the attributes are only for textiles, however they were intended to be for the item itself. There are specific attributes inside this module which would be only for textiles (materialThreadCount), but all of the attributes can be for any material in the item.

WR 15-299 and 16-180

Submitter/company: Steven Robba / 1WorldSync

Date: September 29, 2015

Status: Pending Large Release

Business need:

To support the regulation CLP in the EU we need to modify the Safety Data Sheet Module / GHS Detail class. Restructure the GHS Detail Class

Description:

Add new class GHSClassification, Add new attributes

- gHSSymbolCode
- GHSClassificationStatement
- hazardStatementLabelElement

WR 16-183

Submitter/company: Steven Robba / 1WorldSync

Date: March 14, 2016

Status: Pending Large Release

Business need:

Build an association from chemicalIngredient to gHSDetail. To support Regulation (EU) No. 1272/2008 (GHS/CLP) Regulation (EU) Nr. 453/2010 (REACH).

Description:

To support Regulation (EU) No. 1272/2008 (GHS/CLP) Regulation (EU) Nr. 453/2010 (REACH). These changes require changes to Safety Data sheets. In order to continue sending Safety Data Sheets electronically we need to begin sending GHS classification and Hazard Statements at the Ingredient level

WR 17-006

Submitter/company: Zsolt Jacso

Date: January 9, 2017

Status: Pending Large Release

Business need:

Cancel and discontinued dateTimes are duplicated in GDSN.

Description:

Cancel and discontinued dateTimes are duplicated in GDSN.

DiscontinuedDateTime (1) - tradeItem/tradeItemSynchronisationDates/discontinuedDateTime

DiscontinueDateTime (2) - catalogueItemState/discontinueDateTime

(1) is used by the DataSources, to indicate the discontinuation.

(2) is under the catalogueItemState element, together with the catalogueItemState, the purpose of this node is to indicate the item registration state in the GR. So the attributes here reflect the values stored by the GR.

WR 17-218

Submitter/company: Steven Robba / 1WorldSync

Date: August 16, 2017

Status: Pending Large Release

Business need:

In order to increase the usage of GDS and as part of simplification on how to enable SME, allow suppliers to publish simply a consumer unit data and forego supply chain data.

Description:

Allow a supplier to publish a consumer unit information that would allow B2C players in the GDS space without the cumbersome of adding supply chain data. Would need to look at limiting factors of mandatory attributes and validations.

- Ensure that trading partners who do not wish to participate are not negatively impacted

WR 17-220

Submitter/company: Steven Robba / 1WorldSync

Date: August 17, 2017

Status: Pending Large Release

Business need:

The Model now contains 3 modules where size can be populated. This is confusing the community - Apparel Information Module, Trade Item Measurements Module and Size Module

Description:

This should be combined in a common way. Whether it is in the Size Module or Trade Item Measurements, The 3rd module is the Apparel Module.

WR 17-273 & 19-187

Submitter/company: Steven Robba / 1WorldSync

Date: October 30, 2017

Status: Pending Large Release

Business need:

In order to support B2C and speed to market, some of the GDS community feel we can introduce code lists faster than twice a year.

Description:

Introduce a new way to support code lists that allows data pools and trading partner to access these code lists that have low user impact but can provide attribution for b2c. The methodology should allow data pools to use newer technologies such as an API or such to validate these code lists, which would increase flexibility. We see these code lists as prime targets to do this:

Product Characteristics, Size Type, Feature Code, Packaging Marked Label Accreditation Code
Regulation Type Code, Additional Trade Item Classification, Identification Codes, Additional Party
Identification, nutritionalClaimNutrientElementCode, nutritionalClaimTypeCode

WR 17-302

Submitter/company: Greg Rowe / Global Office

Date: November 10, 2017

Status: Partially Deployed 3.1.6 / Pending Large Release

Business need:

The need for consumer-facing information was only partially solved through the recent GTIN Management Standard work, which is helping businesses make well-informed decisions about product identification using GTINs. This work request is aimed at providing for the facilitation of data exchange for Consumer Product Variant (CPV) information through the Global Data Synchronisation Network (GDSN).

Description:

Following attributes are pending a large release (for renaming):

- consumerProductVariantDescription
- consumerProductVariantStartEffectiveDateTime
- consumerProductVariantDiscontinuedDateTime
- consumerProductVariantCancelledDateTime

Submitter/company: Tony Zhang / FSEnet

Date: November 8, 2018

Status: Pending Large Release

Business need:

Create a new class, possible numberOfUnitInShippingContainer to include all three attributes: shippingContainerTypeCode, shippingContainerQuantity and shippingContainerQuantityDescription

Description:

shippingContainerTypeCode is allowed once in packagingInformationModule. shippingContainerQuantity and shippingContainerQuantityDescription are multiple value. The current structure cannot meet the need if there are multiple shipping container type are used.

WR 19-079

Submitter/company: Steven Robba / 1WorldSync

Date: March 15, 2019

Status: Partially deployed 3.1.10 / Pending Large Release

Business need:

Today suppliers and recipients are seeing duplication in methodologies to supply information. Many times the differences are subtle but there are recognized differences. To help simplify the attributes we are requesting the following changes. Note there will be additional work needed to insure a 100% migration plan for all codes is in place at the proper time with migration documentation.

Description:

update definition for nutritionalClaimNutrientElementCode as it speaks to only nutritional items, yet the attribute expands beyond food. Add new attribute claimMarkedOnPackage. At later date (MjR release) move the 3 attributes from Nutritional Information Module and move to generic module for Food and Non-Food usage. Rename 2 attributes during move.

NOTE: Definition change has been deployed in 3.1.10

WR 19-080

Submitter/company: Steven Robba / 1WorldSync

Date: March 15, 2019

Status: Partially deployed 3.1.14 / Pending Large Release

Business need:

Today suppliers and recipients are seeing duplication in methodologies to supply information. Many times the differences are subtle but there are recognized differences. To help simplify the attributes we are requesting the following changes. Note there will be additional work needed to insure a 100% migration plan for all codes is in place at the proper time with migration documentation.

Description:

Requirements: Add a new attribute isDietTypeMarkedOnPackage

During a MjR release delete packagingMarkedDietAllergenCode

NOTE: Add a new attribute isDietTypeMarkedOnPackage was added in GDSN release 3.1.14



WR 19-164

Submitter/company: Steven Robba / 1WorldSync

Date: May 17, 2019

Status: Pending Large Release

Business need:

Update definitions for attributes to match Global Data Model directional simplification

Description:

1. Update definition of deprecated attributes (OTAG)
2. Move appropriate attribute for claims description
3. Removal of attribute at next Major Release.

WR 19-189

Submitter/company: Nordine Eddaoudi/ GS1 France

Date: June 12, 2019

Status: Pending Large Release

Business need:

Manage quickly any new structured attribute required by a regulation

Description:

The proposed solution is to define a standardized structured generic class that can be used for any attribute and any data type. The generic class must allow all types of data to be transmitted. It can be an additional class or a simple renaming of the existing class `AdditionalTradeItemClassification` that is specific to classifications.

This generic class needs to be a total mirror of the other class `productCharaceristicsModule`.

This means that all improvement on one of these classes must also improve the second class. In case of migration, this will be very helpful to have these both classes with the same structure and any new attribute that is integrated into `productCharaceristicsModule` will be easier to migrate.

WR 19-220

Submitter/company: Zubair Nazir / GS1 Canada

Date: July 4, 2019

Status: Pending Large Release (impacts GDM)

Business need:

Regulation requirement in Canada to provide Active Ingredient Name (Non-Food Ingredient Name) both in English & French. Currently, GDSN nonFoodIngredientName datatype is "string" and does not support multi language.

Description:

CHANGE attribute "nonfoodIngredientName" datatype to support multi Language

WR 19-309

Submitter/company: Nordine Eddaoudi / GS1 France

Date: September 24, 2019

Status: Pending Large Release (Deprecation portion)

Business need:

Several technical solutions for the same business need: The following specific attributes are in duplication with the generic targetConsumerMinimumUsage, targetConsumerMaximumUsage, targetConsumerUsageTypeCode :

Description:

To have a long-term deprecation for these attributes :

NOTE: Updated definition and models in 3.1.14 to note future deprecation

Next Steps

- Contact submitters for validation
- GS1 review and alignment
- Review with OTAG
- Develop prioritization process
 - Survey
- Develop Implementation Roadmap
 - Align with GDSN Release Roadmap

GDSN Infrastructure Update

Alan Hyler

Microsoft Azure Migration

- 8 August 2020
- In Support of the GDSN Strategy Initiative
 - Simplify GDSN through modernized technology and processes
 - Migrate from current Data Centre to MS Azure
- Extended Maintenance window during 3.1.13 release
 - Cutover and Data Integrity checks expected to take up to 48 hours
 - Migration is expected to be transparent to Trading Partners
- Data Pool communication plan initiated
 - Announcement, Migration plan (step by step), Associated activities, Teleconferences

API Enabled Communications

- Leveraging the MS Azure environment
- In Support of the GDSN Strategy Initiative
- Post Azure Migration:
 - Deploy API's for Data Pools
 - GS1 Global Registry Communication API
 - Messages includes basic party registration (BPR), registry catalogue item (RCI), catalogue item subscriptions (CIS) and request for catalogue item notification (RFCIN).
 - This API is provided as an alternative way to send GDSN messages to the Global Registry
 - Foundational for future GDSN API development and deployment

Meeting Wrap Up

- Next Steps
- Next meeting
- Adjourn

Thank You

