GS1 Industry & Standards Event 2018
10-14 September 2018 – Dublin, Ireland
Transforming business together
Session: GDSN User Group
Time: TDB
Who may attend: Open
Speaker(s): GDSN and Community
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 Industry & 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 Standards Event, you do not need to do this)

2. Once you have the Global App on your mobile device, type GS1IS18 in the search box. Please click the orange (+) to activate the event within your application.

3. Login with the email address you used to register for the event:
   Username: (your registered email)
   Password: GS1events
WiFi internet access

- Select network “GS1network” and connect
- Password: GS1events
Welcome!

Alan/Community
Welcome to the GDSN UG Meeting!

• Welcome, Antitrust Caution (GDSN/Community)
• Introductions, Agenda Review (GDSN/Community)
  - Call for additional Agenda Topics
• GDSN Update – Review/Discussion
  - New Business
GS1 Organisation & Roles

GS1 General Assembly
(Representatives of all Member Organisations)

GS1 Management Board
(Key leaders from multinationals, SMEs and Member Organisations)

Local GS1 Boards
(Key leaders from national companies)

Subcommittees of the Management Board:
- BCS
- DSSC

GS1 Data Excellence Board
GS1 Innovation Board

Global Strategic Direction
Local Strategic Direction

GS1 Global Office
- Lead the development of new standards and systems
- Lead the development of the global marketing strategy
- Support local implementation
- Align/communicate

Local GS1 Member Organisation
- Help in the design of new systems
- Lead local services
- Lead local implementation
GDSN Governance

**GS1 Data Excellence Board** will govern *GDSN* and *Data Quality*
- GDSN and Data Quality are a key part of the GS1 future portfolio and require a strong strategy
- Set strategic direction for GS1 GDSN and GS1 Data Quality as part of GS1 Services & Solutions portfolio

**GS1 Management Board Data Strategy Steering Committee (DSSC)** will govern the *GS1 Cloud*

**GS1 Management Board DSSC and GS1 Data Excellence Board** report to the **GS1 Management Board** for final approvals of strategy and budgets

**GS1 Management Board DSSC and GS1 Data Excellence board members** are aligned with cross representation
- Over 50% of the GS1 Management Board DSSC are GS1 Data Excellence Board members, or members from their companies
- GS1 Global Office Staff teams are aligned closely
GDSN by the Numbers

41 Certified Data Pools

Find a GDSN Data Pool
You need to join a GDSN data pool to exchange product data on GDSN. All GDSN data pools have been tested and certified to meet GS1 standards.

Over 27 Million GTINs

Over 50 Thousand Trading Partner GLNs

Trading Partner Search *NEW*
GDSN Current Year Growth - GLN
GDSN Current Year Growth - GTIN

<table>
<thead>
<tr>
<th>GTIN by Target Market</th>
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<tbody>
<tr>
<td>United States</td>
</tr>
<tr>
<td>Germany</td>
</tr>
<tr>
<td>Netherlands</td>
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<tr>
<td>Canada</td>
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<td>France</td>
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<td>Mexico</td>
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<tr>
<td>Australia</td>
</tr>
<tr>
<td>Finland</td>
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<table>
<thead>
<tr>
<th>GTIN by Region</th>
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<tbody>
<tr>
<td>North America</td>
</tr>
<tr>
<td>Europe</td>
</tr>
<tr>
<td>Asia Pacific</td>
</tr>
<tr>
<td>Central/South America</td>
</tr>
<tr>
<td>Middle East/Mediterranean</td>
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</table>

<table>
<thead>
<tr>
<th>GTIN by GPC</th>
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</thead>
<tbody>
<tr>
<td>Food/Beverage/Tobacco</td>
</tr>
<tr>
<td>Clothing</td>
</tr>
<tr>
<td>Healthcare</td>
</tr>
<tr>
<td>Beauty/Personal Care/Hygiene</td>
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<tr>
<td>Kitchen Merchandise</td>
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<tr>
<td>Automotive</td>
</tr>
<tr>
<td>Household/Office Furniture/Furnishings</td>
</tr>
<tr>
<td>Cleaning/Hygiene Products</td>
</tr>
<tr>
<td>Stationery/Office Machinery/Occasion Supplies</td>
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<td>Personal Accessories</td>
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## GDSN Growth & Adoption (FY-YTD)

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<tr>
<th></th>
<th>July 1, 2018</th>
<th>% Change in 2018</th>
<th>August 10, 2018</th>
<th>% Change in 2018</th>
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<tr>
<td></td>
<td>TOTALS</td>
<td>(July 01 - August 10)</td>
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<td>Active Data Pools</td>
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<td>0.0%</td>
<td>Active Data Pools</td>
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<td>73,939,352</td>
<td>2.1%</td>
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<td>75,477,179</td>
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<tr>
<td>Recipient DP Subscription Matches</td>
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<td>2.1%</td>
<td>Recipient DP Subscription Matches</td>
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<tr>
<td>Registered Items (GTINs)</td>
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<td>1.1%</td>
<td>Registered Items (GTINs)</td>
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<td>GTINs Coded with GPC</td>
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<td>GTINs Coded with GPC</td>
<td>25,576,329</td>
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92%
GDSN Roadmap

Features and Functionality

- **Release 3.1.6** (August 2018): Transitional Consumer Product Variant (CPV) variants meant to replace a previous version of an item (Holiday),
- **Release 3.1.7**: Alcoholic beverage industry, food and beverage Items (e.g. support for recipes and tasting notes), support for household goods (e.g. lighting, heating) and increased support for sustainability
- **Release 3.1.8**: Dangerous goods, payments/discounts, electronic content for item descriptions and Healthcare (GUID)
GDSN Work Requests (Q1-Q2 2018)

- GDSN/GPC combined account for 90% of all GS1 Work Requests
- Q3 trend is consistent with Q1 and Q2 submissions

Top GDSN WR Submitters are 1WorldSync, GS1 France, GS1 Netherlands, GS1 Canada, GS1 US

Data: https://www.gs1.org/standards/development/how-we-develop-standards/gsmp-reports
GDSN Support Desk

2017/2018 YTD Tickets Closed
Top Ten User Companies

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<th>Count</th>
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<td>Company 2</td>
<td>116</td>
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<td>109</td>
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<td>Company 4</td>
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<td>Company 9</td>
<td>46</td>
</tr>
<tr>
<td>Company 10</td>
<td>26</td>
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2017/2018 YTD Tickets Closed
Based on Function

<table>
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<tr>
<th>Function</th>
<th>Count</th>
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<tr>
<td>GDSN</td>
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<tr>
<td>Global Registry</td>
<td>1,135</td>
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<tr>
<td>GS1 Cloud Connector</td>
<td>48</td>
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</table>
GDSN Simplification Proposals – approved to proceed

1. **Differences in data models across countries, regions and sectors:**
   - **Proposal:** Build on the GS1 EU MDM (Onion Model) to:
     - Develop a Global or regional data model for each core category
     - Share TM specific VRs between DPs
     - Develop a central VR service

2. **Lack of awareness of GDSN or a barrier to usage due to complexity and cost, especially new users:**
   - **Proposal:** Develop a marketing plan to attract new users:
     - Analyze the market amongst data pools to evaluate the potential to grow GDSN
     - Align the value proposition
     - Define roles and responsibilities to align messaging
GDSN Simplification Proposals – On hold

The following Simplification proposals:
- were not approved as part of the GS1 DE 2018/19 Budget
- will be incorporated into the GS1 Global Data Services Strategy initiative

3. Complexity of the GDSN technical architecture:
   - **Proposal:** Review the feasibility of a centralized AS2 Router Service
   - **Next Steps:** Convene DP Committee to assess technical architecture and develop technical strategy as part of Global Data Services Strategy

4. Issues with DQ interoperability between DPs which negatively impact the users:
   - **Proposal:** Set up a system so when a GTIN is rejected by a DP or retailer, the network will diagnose the message failure and report to all DPs.
   - **Next Steps:** Convene DP Committee to assess technical architecture and develop technical strategy as part of Global Data Services Strategy
GDSN Validation Rules

Update/Discussion
Tasha Wiehe
GDSN Validation Rules sub-team meeting

Thursday 13 September, 09:45 - 12:30 Ulster Suite, Agenda topics:

1. GDSN Validation Rules work in progress
2. Consumer Product Variant (CPV) impact on Validation Rules
3. Publish consumer unit information only to allow B2C players in the GDS space
4. Harmonisation of xPath links
1) GDSN Validation Rules - work in progress

- Process new GSMP Work Requests
- Ensure GDSN Validation Rules for Release 3.1.8 are ready for Community Review by 18 September 2018:
  - WR 18-121 (25 new GDSN VR from GS1 in Europe – mainly harmonising existing local VRs)
  - Several errata (documentation)
2) Consumer Product Variant (CPV) impact on Validation Rules

Consumer Product Variant in GDSN, Jun 2018:

• “Consumer Product Variant identifies product variations that are considered insignificant to supply chain business processes, but that may be important to consumers.”
3) Publish consumer unit information only - to allow B2C players in the GDS space?

Discuss sub-set of GDSN Validation Rules that are related to consumer facing attributes:

- **REQUIREMENT:** Allow a supplier to publish consumer unit information that would allow B2C players in the GDS space without the additional task of adding supply chain data. Would need to look at limiting factors of mandatory attributes and validations
- **BUSINESS NEED:** Increase the usage of GDS via simplification.
  - Enable the SME
  - Ease the attribute ask to suppliers
  - Forego more detailed supply chain data...attract those who are consumer oriented
4) Harmonisation of xPath links

• The old structure for xPaths is: \.../extension/...Module/...

• A new structure for xPaths has been defined with Global Attribute Explorer that is:
\.../*[namespace-uri()='urn:gs1:gdsn:trade_item_temperature_information:xsd:3' and local-name()='...Module']...

• **Issue**: In the validation rules spreadsheet we have both structures (old one and new one)

⇒ Harmonise all xPaths, with the new structure, in all GS1 documentation?
18-114 Report back from OTAG / GDSN Validation Rule 351 & 350

**Business Issue:** Validation rule number 351 contains one errata. Business Scope can only be populated for gs1response messages and not for all. This rule has a business issue with its current description "The value of Business Scope type must be set to GDSN".

**Requirement:** correct errata in VR 351 by updating for this rule that can be (adding "IF POPULATED" at the beginning):

- Structured rule: "If populated, Scope/Type must equal value 'GDSN'."
- Error message description: If populated, the value of Business Scope type must be set to GDSN"

**Discussed at OTAG:** Action request GS1 France provide clarity on Business Need and pose two simple questions to OTAG before moving forward.
18-114 Action following OTAG

GS1 France’s detailed business requirement:

- The issue is that the current description VR 351 is not sufficient to be sure of its implementation “the value of Business Scope type must be set to GDSN”. This means that all GDSN messages must contain a business scope and its value must be GDSN, while only a GS1Response message must contain a business scope according to VR 350.

Questions for OTAG DataPools:

- As a source DataPools are you validating messages from a supplier (351)?
- As a recipient DataPools are you validating 350 and 351?
- Do any of your recipients validate 351?
Want to join the GDSN Validation Rules sub-team?

Meeting this week:
Thursday 13 September, 09:45-12:30
Ulster Suite

Ongoing meetings schedule:
• Monday’s 15:00-16:00 Brussels / 09:00-10:00 Princeton
• Next call Monday 24 September

Business Message Standards including Message Schemas

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<th>Updated For Maintenance Release 3.1.7</th>
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<tbody>
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<td>Trade Item Modules Library 3.1.7 (Aug 2018)</td>
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</tr>
<tr>
<td>GDSN Code List Document (Aug 2018)</td>
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</tr>
<tr>
<td>Delta for release 3.1.7 (Aug 2018)</td>
<td></td>
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<tr>
<td>Delta ECL for release 3.1.7 (July 2018)</td>
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<tr>
<td>Validation Rules (July 2018)</td>
<td></td>
</tr>
<tr>
<td>Delta for Validation Rules 3.1.7 (July 2019)</td>
<td></td>
</tr>
</tbody>
</table>

contact tasha.wiehe@gs1.org or david.buckley@gs1.org for invitation to series of calls
Update on GS1 in Europe activities related to GDSN

Update
Update on GS1 in Europe activities related to GDSN

GDSN User Group Meeting

Industry & Standards Event, Dublin
10th September 2018
Agenda

• GS1iEU working groups „touching“ GDSN
• The Onion Model
• B2B2C activities in 2018 – brief overview
• The GS1 in Europe Survey on Data Initiatives
GS1iEU working groups „touching“ GDSN
GS1iEU working groups „touching“ GDSN

- **B2B2C Technical working group**
  - Focused on GDSN in FMCG – core GDSN sector in EU

- **Fruit & Vegetables working group**
  - The group focuses primarily on identification and barcoding
  - GDSN for this sector is also on the agenda

- **Healthcare – ECHO Data Models**
  - Focused on GDSN in Healthcare in EU

- **DYI – currently not active**
  - Was active few years back
  - Published harmonized list of EU attributes for the DIY sector
Organisation structure

GS1iEU Leadership ➔ Board, REC, Project Sponsors

GS1iEU Project Coordination ➔ New role, Henk-Jan (GS1iEU)

- B2B2C WG ➔ Project manager Tomas (CZ)
- Fruit & Vegetables WG ➔ Project managers Ferran (ES), Klaus (DE)
- ECHO Data Models ➔ Project manager now Henk-Jan (GS1iEU)
- DIY WG ➔ Currently not active
- Other non-GDSN WGs ➔ Project managers from different MOs
The Onion Model
Mission (im)possible: bringing national data models in EU closer together

**Harmonized Data models**
- Having one data model used by multiple EU markets in certain sector
- Possible in new GDSN sectors or markets with close trading relationship
- Examples:
  1. EU 1169/2011 data model
  2. Pet food data model
  3. ECHO data model
  4. BENELUX FMCG data model
  5. D-A-CH FMCG data model

**Onion Data Models**
- Overview of different data models
- „Automated“ process – no discussions about attributes removal etc.
- Suitable for well established sectors where making changes is costly
- Easier navigation through different requirements for users
- Bringing data models closer by eliminating „outer layer“ attributes.
- Example:
  - EU FMCG Onion data model
EU Mature Data Model (EU MDM) – Onion model
EU MDM (onion model) - Plans for 2018

Submit validation rules to GSMP
- WR-18-000065 and WR-18-000121 – done and eBalloted

Start updating the Data Model
- It is already old – published in February 2017
- Plan to update twice a year
- First update planned for November 2018

New project – use onion model structure to create harmonised data models for EU.
- Currently being discussed by GS1iEU management
- Project might start in October
- Details will be shared after the project is approved
B2B2C activities in 2018

Brief overview
Attribute Explorer

- Repository of GDSN attribute information including local data models.
- Friendly interface for users to search and access needed information.
- High priority to implement in Europe.
- **Target for 2018**: 7 MOs publishing their data model in AE.
Update on GS1iEU GDSN Guidelines (B2B2C WG)

**Food Information (EU Regulation 1169/2011)**
New version 2.4 published recently:
- Minor improvements
- Replacement of `servingSizeDescription` with `nutrientBasisQuantityDescription` (live since GDSN 3.1.5 release)
- Addition of EU INFOODS code list for nutrients into Annex

**Pet Food (EU Regulation 767/2009)**
Current version 1.2 published in May 2018.
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<th>FI</th>
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<td>F1802N6</td>
<td>Fatty acid 18:2 n-6</td>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>F1803N3</td>
<td>Fatty acid 18:3 n-3 (Alpha-linolenic acid)</td>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>F2004</td>
<td>Arachidonic acid</td>
<td>N/A</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>F2004N6</td>
<td>Fatty acid 20:4 n-6</td>
<td>Other</td>
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<td>NO</td>
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<tr>
<td>F2005N3</td>
<td>Fatty acid 20:5 n-3 (Eicosapentaenoic acid)</td>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
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</tr>
<tr>
<td>F2206N3</td>
<td>Fatty acid 22:6 n-3 (Docosahexaenoic acid)</td>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>FAMCSIS</td>
<td>Fatty acids, total monounsaturated-cis</td>
<td>Basic Nutrition Facts</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>FAPUCIS</td>
<td>Fatty acids, total polyunsaturated-cis</td>
<td>Basic Nutrition Facts</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>FAPULC</td>
<td>Fatty acid, polyunsaturated long chain</td>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
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<td>NO</td>
<td></td>
</tr>
</tbody>
</table>
Dangerous Goods and Hazardous Substances

- European input into work on new section in **Trade Item Implementation Guideline (TIIG)**
- Additional input from GS1 Canada, 1WorldSync
- Reviewed by expert from 3M in the US
- In GSMP under **WR-18-000016**
- **Already published in TIIG**
EU Product Image Specification

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

Work has been initiated in June in Lisbon

Data from EU MOs being collected – there are differences – we need to work on alignment

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
The GS1 in Europe Survey on Data Initiatives
# Participating countries (all of GS1 in Europe)

- Albania
- Armenia
- Austria
- Azerbaijan
- Belarus
- Belgium & Luxembourg
- Bosnia-Herzegovina
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Georgia
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Israel
- Italy
- Kazakhstan
- Kyrgyzstan
- Latvia
- Lithuania
- Macedonia
- Moldova
- Montenegro
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- Turkmenistan
- United Kingdom
- Uzbekistan
Do you as an MO operate a certified GDSN data pool in your country?

Yes: 20
No, but planning to: 7
No: 20
GDSN certified data pool (details)

GDSN (total 20 countries)

GDSN data pool (20 countries)

Digital Assets

Business 2 Consumers

Business 2 Business

The Global Language of Business
2. Other data exchange solutions

Do you exchange data through another solution than GDSN in your country?
- Yes: 15
- No, but planning to: 9
- No: 23
Other data exchange solutions (details)

Other data solution (total 15 countries)

Other data solutions

- Digital Assets: 5
- Business 2 Consumers: 9
- Business 2 Business: 10

The Global Language of Business
Disclosure data through apps

Do you disclose data through apps in your country?
Yes, by own apps: 6
Yes, by 3rd party apps: 9
Yes, both types apps: 1
No: 31
Data quality initiatives

Do you have an initiative on data quality in your country?
- Yes: 26
- No, but planning to: 11
- No: 10

The Global Language of Business
Questions and suggestions
Contact Information

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M    +420 725 096 098
E    tluchor@gs1cz.org

www.gs1.eu
The Consumer Goods Forum

Pilots and work update - Gina Tomassi
The Consumer Goods Forum - Pilots and work update

- TCGF – Leap Frog Project – Update
- Need for guidelines, example, product descriptions, Multiple attributes for same usage
- Variant, Variant type/Description, Color (18-223), Marketing Message (can attributes be harmonized), Is there a need to increase size of CPV ID, Image guidelines
Global Product Classification (GPC)

GDS User Group Update
Global Product Classification (GPC)
GDS User Group Update
*Transforming business together*

Mike Mowad, GS1 Global Office
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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GPC Dec 2016 Deployed into GDSN</td>
<td>GPC Jun 2017 Deployed into GDSN</td>
<td>GPC Dec 2017 Deployed into GDSN</td>
<td>GPC Jun 2018 Deployed into GDSN</td>
<td>GPC Dec 2018 Deployed into GDSN</td>
<td>GPC Jun 2019 Deployed into GDSN</td>
</tr>
</tbody>
</table>

GPC Dec 2016
Deployed into GDSN

GPC Jun 2017
Deployed into GDSN

GPC Dec 2017
Deployed into GDSN

GPC Jun 2018
Deployed into GDSN

GPC Dec 2018
Deployed into GDSN

GPC Jun 2019
Deployed into GDSN

The Global Language of Business

© GS1 2018
GPC December 2018 Publication Schedule

October 2018

- Motion Final WRs to Public Review
  - 10-Oct

- Community Review Final WRs
  - 11-Oct to 1-Nov

November 2018

- Motion to eBallot
  - 14-Nov

- eBallot
  - 15-Nov to 29-Nov
  - (2 Weeks)

- IP Review
  - 15-Nov to 13-Dec
  - (4 Weeks)

December 2018

- Publish Dec 2018 Release
  - By 20-Dec

Prep

September 10-14, 2018 GS1 Standards Event – Dublin, Ireland
GPC Brick Code Adoption in GDSN

The Global Language of Business
% of Temporary GPC Brick Codes Passed through GDSN
This Week’s GPC Meetings (Wednesday)

Morning Session:
• GPC MO Translators User Group

Afternoon Session:
• GPC Standards Maintenance Group (SMG)
Contact Information

**Mike Mowad**  
Director, Global Product Classification  
michael.mowad@gs1.org

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**Jeanette McVeigh**  
GPC SMG Manager & Service Provider  
jeanette.mcveigh@gs1.org
FIT

Update
Eric
What Does the Law Say?

1. Every unit pack of tobacco must be traced from point of manufacturer until the facility where it will be sold to the consumer.
2. Unit packs must have a barcode that, when scanned in offline mode, produces a small message (200-300 characters).
3. ID covers economic operators, facilities, and production machines where master data must be provided when requesting the identifiers.
4. Industry may allocate GS1 ID themselves to products at “aggregated levels”.
5. Records of transactions (orders, invoices, payments) and primary events (commissioning, pack, ship, receive, unpack) must be maintained by all operators and these records will be “rolled up” to a central level for surveillance by authorities.
6. All scanning unit packs (pre-consumer distribution) must have scanners that support DataMatrix, QR Code, DotCode; register for ID; report transactions and events.
GS1 “master data” entity identifiers

**ID Issuers should specify:**

**Unit packs:** GTIN for product code + Third Party Controlled, Serialized GTIN Extension

**Economic operators:** Register GLNs

**Facility:** Register GLNs

**Machines:** Register GIAIs
Messages Related to Identifier Codes

1.1. Request for an economic operator identifier code
1.2. Correction of information concerning economic operator ID
1.3. De-registration of economic operator identifier code
1.4. Request for an facility identifier code
1.5. Correction of information concerning facility ID
1.6. De-registration of facility identifier code
1.7. Request for an machine identifier code
1.8. Correction of information concerning machine ID
1.9. De-registration of machine identifier code
2.1. Request for unit level UIs
2.2. Request for aggregated level UIs
2.3. Request for deactivation of UIs
2.4. Request for aggregated level UIs
5. Recalls of requests, operational and transactional messages (possible for message types 2-1, 2-2)
Messages-product movement and business trans...

3.1. Application of unit level UIs on unit packets
3.2. Application of aggregated level UIs on aggregated packaging
3.3. Dispatch of tobacco products from a facility
3.4. Arrival of tobacco products at a facility
3.5. Trans-loading
3.6. Disaggregation of aggregated level UIs
3.7. Report of delivery carried out with a vending van to retail outlet
4.1. Issuing of the invoice
4.2. Issuing of the order number
4.3. Receipt of the payment
5. Recalls of requests, operational and transactional messages (possible for message types 3-1 to 3-7, 4-1, 4-2 and 4-3)

The Global Language of Business
GS1 FIT Standards Timelines

- Nov 2018
  - AIDC Application Standard
  - Master data
  - EPCIS Application Standard
  - Tag Data Standard
- Dec 2018
  - Transaction messages
- Mar-May 2019
  - Updates as needed per Secondary Repository input
  - Standards ratification
GDSN Mapping for the EU Medical Device Directive

Pete Alvarez
GDSN Mapping for UDI Databases

Waiting for the Medical Device Directive EUDAMED data definitions

Pete Alvarez
10 September 2018
Waiting for EUDAMED UDI data definitions

- Data definitions expected in October (yes, this year!)

**Our plan:**
- Create a draft mapping document for review
- Conduct peer review for accuracy
- Conduct community review and finalise
- Publish via GS1 Healthcare
GS1 Healthcare Public Policy Master Data Advisory Group

Mission
• To provide guidance regarding the development and maintenance of mapping documents for UDI database attributes to GDSN.

Objective
• Develop and maintain GDSN to UDI databases mapping documents.
• Provide guidance to member of GS1 Healthcare who want to use a GDSN Data Pools to register product data in UDI databases.

Join work group: http://xchange.gs1.org/cr/ig/hc/iehppwt/pmdag/Pages/Home-wg.aspx
Where do to find the UDI mapping documents

JUST ONE more THING!
GDSN Pharma Use Case

**Objective:** Enable Pharmaceutical manufacturers to share master data, required by serialisation and traceability regulation, via GDSN with their customers (hospitals, distributors and pharmacies, etc.).

Available soon on the [GS1 Healthcare website](https://www.gs1.org/healthcare)
Contact Information

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Senior Director, Identification and Data Strategy
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peter.alvarez@gs1.org
GDSN Network Release Management

Alan and Eric
GDSN Network Release Management

• Release Schedule (Future)
• Functionality Update (Releases 317, 318)
  - Healthcare release
• Implementation
  - Speed of releases (Codelists)
  - Nordine topic
Releases

• **3.1.7 (Small)**
  - Currently in Beta
  - 3-November Production Deployment

• **3.1.8 Large Maintenance Release**
  - 31 May 2018 Cut-off date for eballoted and approved Attributes and Validation Rules work requests: 29 June 2018.
  - 7 September 2018 - Cut-off date for eballoted and approved Efficient Code Lists (ECL) work requests
  - 30 November 2018 - Estimated delivery date of final GS1 documentation for this release
  - 23 February 2019 - BETA Environment
  - 11 May 2019 Production Deployment
v3.1.8 Healthcare Release?

- It is referred to as the healthcare release but this is due to release schedule of the healthcare community as opposed to having requirements focused specifically on healthcare.
- In addition to healthcare attributes, this release includes changes to a variety of modules as well as GDSN Common.
Allowable Types of Changes

- This release allows for the following types of changes:
  - New Attribute/Module (AVP, extended migrations included) + technical Validations + codes for these attributes
  - New AVPs
  - New Codes for existing Code Lists
  - New Business Validations / Change Validations
  - Delete Validations
  - Definition Changes attributes/Codes
  - Attribute data type/name change (not core) low impact
  - Attribute Structure change simple migration: Not Core Item nor highly used modules.
Content of 3.1.8

• 33 Attributes Added
• 22 Changes (mostly expansion of field lengths)
• New and updated validations (tech and bus)
• Changed schemas
  - GDSNCommon
  - HealthcareItemInformationModule
  - HealthRelatedInformation
  - MedicalDeviceTradeItemModule
  - MedicalDeviceTradeItemModule
  - PackagingInformationModule
  - SalesInformationModule
  - TextileMaterialModule
  - TradeItemDescriptionInformationModule
  - TradeItemTemperatureInformationModule
Codes

- So far, code adds and changes to existing code lists. Queue will remain open through next week.
Impacts to Implementation

• For healthcare, several Extended AVP attributes will be migrated into the GS1 standard.
• No migration of GS1 Fast Track Attributes.
Additional Topics

- Rules around duplication in standards - Discussion (Eric)
- WR-18-000180 / submitter (Sally McKinley) Add a code for nutrientTypeCode for a new Total Dietary Fibre needs further discussion (Gina Tomassi)
OTAG Topics

- OTAG – Modules out of sequence (Nordine)
- OTAG – Price Flex extension, migration to GS1 schema (Eric)
- OTAG – CIC/PSC add message scope WR 18-000230 (Eric)
- OTAG - Party Dump Contact information recommendation (GDPR) (Alan)
Price Flex Extension

• History
  - Around 3.1.3, GS1 was asked to create a version of the 1WS Flex Extension in order to handle “Price Commentary”
  - We created an extension and hosted it at gdsregistry.org.
  - A decision was made due to required implementation to not move to the hosted extension but instead remain on 1WS Schema.
  - Hosting space at 1WS changed.
Recomendation

• During a future release, move from 1WS hosted to GS1 hosted schema.
• This will remove any future disruptions as it will be housed along with other GS1 standard schemas.
Considerations

- GS1 File structure:
  - /schemas/flexPriceExtension
    - AttrTypes.xsd
    - FlexExtension.xsd
    - Types.xsd
- 1WS Structure
  - https://www.1worldsync.com/schemas/common/1.0/
    - Types.xsd
    - AttrTypes.xsd
  - https://www.1worldsync.com/schemas/price/extensions/1.0/
    - FlexExtension.xsd
Namespace

• GDS Reg
  - <xsd:schema xmlns="http://www.1sync.org" version="1.0.0"
    attributeFormDefault="unqualified" elementFormDefault="unqualified"
    targetNamespace="http://www.1sync.org"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  • 1WS
  - <xsd:schema xmlns="http://www.1sync.org" version="1.0.0"
    attributeFormDefault="unqualified" elementFormDefault="unqualified"
    targetNamespace="http://www.1sync.org"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
WR 18-00230

• Requirement: Update CIC/PSC messages to include attribute than can be used for the matching. Our proposition is to include the sh:BusinessScope class in these both messages with the previous ID of CIN/PSD messages.
**Schema Currently Supports Scope**

```xml
<xsd:complexType name="CatalogueItemNotificationMessageType">
  <xsd:sequence>
    <xsd:element ref="sh:StandardBusinessDocumentHeader"/>
    <xsd:element maxOccurs="unbounded" name="transaction" type="gdsn_common:TransactionType"/>
  </xsd:sequence>
</xsd:complexType>
```

```xml
<xsd:complexType name="CatalogueItemConfirmationMessageType">
  <xsd:sequence>
    <xsd:element ref="sh:StandardBusinessDocumentHeader"/>
    <xsd:element maxOccurs="unbounded" name="transaction" type="gdsn_common:TransactionType"/>
  </xsd:sequence>
</xsd:complexType>
```
<xs:complexType name="StandardBusinessDocumentHeader">
  <xs:sequence>
    <xs:element name="HeaderVersion" type="xs:string"/>
    <xs:element maxOccurs="unbounded" name="Sender" type="Partner"/>
    <xs:element maxOccurs="unbounded" name="Receiver" type="Partner"/>
    <xs:element name="DocumentIdentification" type="DocumentIdentification"/>
    <xs:element minOccurs="0" name="Manifest" type="Manifest"/>
    <xs:element minOccurs="0" name="BusinessScope" type="BusinessScope"/>
  </xs:sequence>
</xs:complexType>

This this is a validation issue.
Additional Topics

- WR 18-183 / submitter: Reinier Prenger - Should preparationInstructions also be made the same length as consumerUsageInstructions? (Gina)
- WR 18-173 / submitter: Reinier Prenger - Enlarge length of regulatedProductName to 2500 characters (names vs. descriptions) (Eric)
- WR 18-199 / submitter: Kenneth Jørgensen - Add two attributes to allow trading partners to share information of OE and GOE on the Danish market.
- WR 18-275 / submitter: Nordine Eddaoudi - Add a new attribute or to update the definition of an existing one and manage this new business need.
Tracking Implementation of Standards

GS1 Data Excellence Board request
Discussion

• Request from GS1 Data Excellence Board
  - How to track the implementation of GDSN Standards
Freshservice (GDSN Helpdesk)

Alan
GDSN Helpdesk

As part of our ongoing efforts to improve our customer support service we are moving from our current helpdesk provider Kayako to Freshservice:

• As a user there is no material impact to you, please continue to send all GDSN tickets/inquires to support@gdsnsupport.com
• NEW: You will receive a return conformation email from Descartes Service Desk servicedesk@descartes.com
• If you login to the portal you will be directed to the Freshservice portal instead of Kayako and be prompted to reset your password
User Portal Highlights

The services available to you through the portal include:

• Creation of New ticket
• Attachment of Documents
• Search, view, amend and print existing service requests
• Knowledge Base & FAQs
If you do not have a login, then click on 'Sign-up' and register your details.
Communication plan

- Monday, 10 September 2018 – Review will UG in Dublin
- Thursday, 13, September 2018 – Communication to notify community of the change
- Monday, 17 September 2018 – Go Live
Meeting Wrap Up

- Future UG Meetings
- Adjourn
Thank you!