GDSN Validation Rules subteam

10 Sept 2019

Who may attend: Opted in

Speaker(s): Multiple
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.
Agenda

1. Opening, anti-trust, ... (David/co-chairs):
   - Approve agenda and minutes of the 26 Aug 2019 meeting. Review action list

2. GDSN Validation Rules work in progress

3. Warning (not just pass/fail Validation Rules):
   - e.g., each new Validation Rule would display a warning for first 6-months
   - Excluding Healthcare (follow-up on WR 19-201 and the MedDevice/Pharma context)

4. Documentation improvements ideas:
   - General clean up of all GDSN Validation Rules
     • Automation of attribute changes with VR impact
     • Having all relevant data (business & technical) in one place

5. Updates to the How to Write GDSN Validation Rules:
   - Max 1,000 characters for Validation Rules
<table>
<thead>
<tr>
<th>No</th>
<th>Action Item</th>
<th>Owner</th>
<th>Date Entered</th>
<th>Due Date</th>
<th>Status/Next Steps</th>
</tr>
</thead>
</table>
| 271| Request GMD-SMG move to ComRev on Work Requests:  
  - 19-159 New VR to forbid the usage of additional attributes  
  - 19-179: New GDSN Validation Rule to forbid UNSPECIFIED in isTradeItemRegulationCompliant  
  - 19-194 Update VRs excluded in Target Market France specific trade channel GROCERY  
  - 19-197: New GDSN Validation Rule to restrict usable value for Nutri-Score  
  - 19-246 New VRs to make sure that the Intrastat code of a product is entered                                                                 | David Buckley | 26 Aug       | 27 Aug    | Done              |
| 272| Request GMD-SMG correct by errata Work Requests:  
  - 19-215 Update wording in some VR for Swedish Target Market  
  - 19-217: Update VR 1449                                                                                                                                                                                | David Buckley | 26 Aug       | 27 Aug    | Done              |
| 273| Work with co-chairs to make best use of Lisbon face-to-face time noting that many members, including all the co-chairs, were likely to attend the Global Data Model meeting which clashed with the VR session | David Buckley | 26 Aug       | 31 Aug    |                   |
2) GDSN Validation Rules Work in Progress

2.2) GDSN Validation Rules – Work in Progress
19-087: Add new GDSN Validation Rule to forbid the usage of code "NON_EU" in France awaiting MVE to do ComRev

Business Problem: "NON_EU" code, that are non conforming to ISO organization, have a lot of issues in retailers' systems. So GS1 France's community agreed to forbid its usage for the French market.

Requirement: Add new GDSN Validation Rule to forbid the usage of code "NON_EU"

- If targetMarketCountryCode equals ('250' (France)) then code ('NON_EU') cannot be used for any countryCode attribute.
**19-091**: Add new GDSN Validation Rules for DACH region for Catch Zones **MVE to create the ComRev**

**Business Problem**: For the DACH regions, there is a need to exchange the sub areas and divisions for zones 27 and 37 acc. to EU European Union Regulation No. 1379/2013, see [http://www.fao.org/3/a-i4763e.pdf](http://www.fao.org/3/a-i4763e.pdf) and [https://ec.europa.eu/fisheries/sites/fisheries/files/docs/body/fishing_areas_en.pdf](https://ec.europa.eu/fisheries/sites/fisheries/files/docs/body/fishing_areas_en.pdf) Catch Zones.

**Requirement**: Add new GDSN Validation Rules for DACH region for Catch Zones

- if targetMarket/countryCode in (Add List of European TMs) and (catchAreaCode is used or PlaceOfItemActivityModule/..../productActivityTypeCode equals 'CATCH_ZONE' is used then (catchAreaCode and PlaceOfItemActivityModule/PlaceOfProductActivity/ProductActivityDetails/PlaceOfItemActivityModule/PlaceOfProductActivity/ProductActivityDetails/productActivityRegionZoneCodeReference/ExternalCodeValueInformation/enumerationValue) ) SHALL not be equal to '27' or '37'
19-159 new VR that will forbid the usage of other additional attributes MVE to create the ComRev

Add the new VR that will forbid the usage of other additional attributes:
we need to forbid the usage of "regulatoryAct; regulatoryAgency; RegulationCommunityLevelCode; regulationRestrictionsAndDescriptors; regulationRestrictionCommunityIdentifier" if regulationTypeCode has not a unique code inside the same class regulatoryInformation.

• If several instances of regulationTypeCode are used inside the same regulatoryInformation, then "regulatoryAct; regulatoryAgency; RegulationCommunityLevelCode; regulationRestrictionsAndDescriptors; regulationRestrictionCommunityIdentifier" cannot be used in this same occurrences of regulatoryInformation.
**19-163, Correct error in GDSN VR 1662** (awaiting input from Reinier on BeLux team view – could be several weeks)

**Business Problem:** Error in validation rule 1662 If targetMarketCountryCode equals (056 (Belgium), 442 (Luxembourg), 528 (Netherlands), 276 (Germany) or 380 (Italy)) and gpcCategoryCode equals '10000159', then degreeOfOriginalWort SHALL be used.

- Should tradeItemUnitDescriptor= Base Unit or isTradeItemAConsumerUnit= True Right now we are failing items due to pallets and cases of products coming up in error

**Requirement:** To conform to logic, VR 1622 should apply to consumer products only
Business Problem: To achieve greater clarity on how validation rules 541 and 542 are to be applied, these need to be reworked. Previously, code lists were often incorporated into the XML schema. Nowadays they are often external. Therefore, these rules from before Mjr need to be reworked and clarified how they should be implemented and what determines that they fail.

Requirement: Rework VR 541 and VR 542

- **Change VR 541**: If the datatype of an attribute references a code list then only values in this list shall be used.
- **Delete VR 542**: If code list agency for a code attribute represents GS1 then only valid GS1 managed code list can be used.
19-179: New GDSN Validation Rule to forbid UNSPECIFIED in isTradeItemRegulationCompliant MVE to create the ComRev – see 19-292

**Business Problem**: The value UNSPECIFIED for the attribute isTradeItemRegulationCompliant does not make sense because it does not provide any additional value.

**Requirement**: Need to forbid the usage of UNSPECIFIED for the attribute isTradeItemRegulationCompliant by adding a new validation rule.

- *If TargetMarket is France (250) and isTradeItemRegulationCompliant is not empty then its value SHALL NOT equal (‘UNSPECIFIED’)
**Business Problem:** A lot of validation rules are not applied in France because of trade channels exclusion. And, in France, all these validation rules make sense for all channels.

**Requirement:** We need an update on all impacted validation rules to delete the specific trade channel GROCERY. See enclosed excel for more details.

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>598</td>
<td>Applicable for all channels</td>
<td>CHANGE</td>
<td>targetMarketCountryCode equals &quot;250&quot; (France)</td>
<td>targetMarketCountryCode equals &quot;250&quot; (France) and cryptoIdentification does not equal &quot;D0007&quot; (Distribute Product Information for Medical Devices) or &quot;D0008&quot; (Distribute Product Information for Pharmaceuticals) and tradeItemUnitDescriptorCode equals &quot;BASE_UNIT_OR_EACH&quot;</td>
<td>placeOfProductActivity/countryOfOrigin shall not be empty.</td>
<td>&quot;250&quot; (France)</td>
<td>Medical Devices</td>
</tr>
<tr>
<td>603</td>
<td>Applicable for all channels</td>
<td>CHANGE</td>
<td>targetMarketCountryCode equals &quot;249&quot; (France)</td>
<td>targetMarketCountryCode equals &quot;249&quot; (France) or &quot;250&quot; (France) and isTradeItemNonPhysical does not equal &quot;TRUE&quot; then the hierarchy shall have at least one iteration where isTradeItemADespatchUnit equals &quot;TRUE&quot;</td>
<td>when target market code equals '250' (France), the agency maintaining the list of taxes is GS1 France. (dutyFeeTaxAgencyCode = '65').</td>
<td>&quot;250&quot; (France)</td>
<td>All</td>
</tr>
<tr>
<td>1092</td>
<td>Applicable for all channels</td>
<td>CHANGE</td>
<td>targetMarketCountryCode equals &quot;249&quot; (France) or &quot;250&quot; (France) and isTradeItemNonPhysical does not equal &quot;TRUE&quot; then the hierarchy shall have at least one iteration where isTradeItemADespatchUnit equals &quot;TRUE&quot;</td>
<td>targetMarketCountryCode equals &quot;249&quot; (France) or &quot;250&quot; (France) and isTradeItemNonPhysical does not equal &quot;TRUE&quot; then the hierarchy shall have at least one iteration where isTradeItemADespatchUnit equals &quot;TRUE&quot;</td>
<td></td>
<td>&quot;250&quot; (France)</td>
<td>All</td>
</tr>
<tr>
<td>1093</td>
<td>Applicable for all channels</td>
<td>CHANGE</td>
<td>targetMarketCountryCode equals &quot;249&quot; (France) or &quot;250&quot; (France) then maximum one iteration of the same dutyFeeTaxTypeCode shall exist for the same Trade Item</td>
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<td></td>
<td>&quot;250&quot; (France)</td>
<td>All</td>
</tr>
</tbody>
</table>
**19-197: New GDSN Validation Rule to restrict usable value for Nutri-Score MVE to create ComRev**

**Business Issue:** If nutritionalProgramCode is Nutri-Score, we need to restrict usable values for nutritionalScore to correct values (‘A’, ‘B’, ‘C’, ‘D’, ‘E’ or ‘EXEMPT’). The value EXEMPT is needed for all exempted products from Nutri-Score.

**Requirement:** We need to add a new validation rule that will restrict usable value for Nutri-Score.

- Proposed new structured rule:
  - *If nutritionalProgramCode is used AND equals ‘8’ (Nutri-Score), then nutritionalScore SHALL equal (‘A’, ‘B’, ‘C’, ‘D’, ‘E’ or ‘EXEMPT’).*
1. If targetMarketCountryCode equals ‘250’ (France) and gpcCategoryCode is in GPC Family (‘67010000’ (Clothing) or ‘63010000’ (Footwear)) and tradeItemUnitDescriptorCode equals ‘BASE_UNIT_OR_EACH’ and isTradeItemAConsumerUnit equals ‘true’ then at least one iteration of additionalTradeItemIdentification/@additionalTradeItemIdentificationTypeCode SHALL have the value ‘SUPPLIER_ASSIGNED’

2. If targetMarketCountryCode equals ‘250’ (France) and if the used attribute has a datatype of ‘Description’, then at least one of all its iterations of @languageCode shall equal to ‘fr’ (French).

3. If targetMarketCountryCode equals ‘250’ (France) and gpcCategoryCode is in GPC Family (‘67010000’ (Clothing) or ‘63010000’ (Footwear)) and isTradeItemAConsumerUnit equals ‘true’ then additionalTradeItemDescription must not be empty.

4. If targetMarketCountryCode equals ‘250’ (France) and gpcCategoryCode is in GPC Family (‘67010000’ (Clothing) or ‘63010000’ (Footwear)) and tradeItemUnitDescriptorCode equals ‘BASE_UNIT_OR_EACH’ and isTradeItemAConsumerUnit equals ‘true’ then one iteration of sizeCode /@sizeCodeListCode shall be provided with the code value associated to ‘NF EN 13402-1’.

5. If targetMarketCountryCode equals ‘250’ (France) and gpcCategoryCode is in GPC Family (‘67010000’ (Clothing) or ‘63010000’ (Footwear)) and tradeItemUnitDescriptorCode equals ‘BASE_UNIT_OR_EACH’ and isTradeItemAConsumerUnit equals ‘true’ then one iteration of colourCode shall be provided.

6. If targetMarketCountryCode equals ‘250’ (France) and gpcCategoryCode is in GPC Family (‘67010000’ (Clothing) or ‘63010000’ (Footwear)) and tradeItemUnitDescriptorCode equals ‘BASE_UNIT_OR_EACH’ and isTradeItemAConsumerUnit equals ‘true’ then colourFamilyCode shall be populated.
19-216 New VR for Sweden on price comparison
MVE move to create ComRev

**Business Issue:** In order to be able to calculate comparative prices, certain basic facts need to be registered such as `priceComparisonContentTypeCode` and `priceComparisonMeasurement`.

**Requirement:** Create a new validation rule for target market Sweden:

- *If TM is Sweden and if priceComparisonMeasurement is used, then priceComparisonContentTypeCode AND priceComparisonMeasurement SHALL be used.*

  - See VR 1315 for model
New VRs to make sure that the Intrastat code of a product is entered *MVE to create ComRev*

**Business Issue:** Add two GDSN validation rules to make sure that the Intrastat code of a product is entered.

**Requirement:** Add two validation rules to make sure that the code INTRASTAT is used in one instance of import classification type code:

1. *If (targetMarketCountryCode equals '056' (Belgium) or '528' (the Netherlands) or '442' (Luxembourg)) and isTradeItemAConsumerUnit equals 'true' and ImportClassificationTypeCode is used then one instance of ImportClassificationTypeCode SHALL be equal to 'INTRASTAT'*

2. *If ImportClassificationTypeCode equals 'INTRASTAT' then the corresponding importClassificationValue SHALL be exactly 8 numeric characters.*
**19-266 Potential replacement for very old Validation Rule 86, probably an OTAG discussion**

**Business Issue:** The purpose of the new validation rule is to avoid draining the database all trade item data, by only using Target market for subscription. It is a development from VR 86 which can be deleted if the GDSN community decides to make this rule global.

**Requirement:** New validation rule for target market Sweden (or Global)

- If Catalogue item synchronisation message equals Catalogue item subscription, OR equals Request for Catalogue Item Notification THEN targetMarketCountryCode SHALL be populated AND there SHALL be at least one iteration of gtin, dataSource/GLN or gpcCategoryCode

**NOTE:** VR 86 is very old and reads: *There must be at least one iteration of gtin, targetMarket gpcCategoryCode or dataSource/GLN.*
**19-272 New VR for if Temperature Controlled then max and min temperature required**

**Requirement:** Provide a validation rule "*If handlingInstructions Code_GDSN is populated with codevalue ‘OTC’ (Temperature Controlled) then maximumTemperature and minimumTemperature SHALL be populated*".

**Business Need:** It should be possible to state that a trade item from its production to consumption must always be within a given temperature interval, unbroken Cold chain. An unbroken cold chain means that the item never, not even for a short period of time, may be stored in a temperature outside the given interval. This WR is a complement to WR-19-271.
19-275 Fix clarification and correction of possible documentation errors in VR 1195

**Issue 1:** There should be at least four Xpath (Improving Documentation):
- `safety_data_sheet:safetyDataSheetModule/safetyDataSheetInformation/physicalChemicalPropertyInformation/flashPoint/flashPointTemperature`
- `safety_data_sheet:safetyDataSheetModule/safetyDataSheetInformation/physicalChemicalPropertyInformation/flashPoint/flashPointTemperature/@temperatureMeasurementUnitCode`
- `transportation_hazardous_classification:transportationHazardousClassificationModule/transportationClassification/regulatedTransportationMode/hazardousInformationHeader/flashPointTemperature`
- `transportation_hazardous_classification:transportationHazardousClassificationModule/transportationClassification/regulatedTransportationMode/hazardousInformationHeader/flashPointTemperature/@measurementUnitCode`

**Issue 2:** Unit of measure should be Measurement Unit Code (Documentation error?)

**Issue 3:** Why is `flashPointTemperature` in one XPath `@temperatureMeasurementUnitCode` and another `@measurementUnitCode` (Documentation error?)

**Issue 4:** Maybe the rule should be *There SHALL be at most one iteration of flashPointTemperature per @temperatureMeasurementUnitCode* (or per measurement unit code) (need a Change?)
**19-290 New validation rule for the new attribute biocideType**

**Business Issue:** The new attribute biocideType requires a Validation Rule

**Requirement:** new validation rule for the new attribute biocideType requested into the WR-19-000288

- *If regulationTypeCode equals BIOCIDÉ_REGULATION, then biocideType shall be populated.*
12-292 New GDSN Validation Rule to forbid UNSPECIFIED in the French market

**Business Issue**: The value UNSPECIFIED needs to be forbidden for the French market.

**Requirement**: This WR is asking to add a new specific validation rule to the market France to forbid the usage of the value UNSPECIFIED for all GDSN attributes.

- If targetMarketCountryCode equals '250' (France), then the value ['UNSPECIFIED' or containing 'UNSPECIFIED'] cannot be used for any attribute, the value 'DSU' cannot be used for contactTypeCode, the value 'UNS' cannot be used for displayTypeCode and distributionMethodCode, the value '999' cannot be used for organicClaimAgencyCode, and the value '27' cannot be used for platformTypeCode.
3) Warnings (not just pass and fail VR)

David and co-charis
Warnings

**Process**

- All new VRs start as Warnings – measure impact before making pass-fail

**Technical**

- Request to OTAG / Data Pools how to implement warnings
4) Documentation improvements ideas:
General Comments

• General clean up of all GDSN Validation Rules
• Automation of attribute changes with VR impact
• Having all relevant data (business & technical) in one place?
18-293: Discuss validation of GTIN at F-2-F

- Existing VRs
- Healthcare using GTIN below the each
- User companies migrating to GTIN but the field has GTIN mandatory (stopping GDSN adoption and migration to GTIN)
- GTINs with valid structure, versus being a valid GTIN, etc.
- Why add complexity to GTIN when it is in a IT-system and database.
  - GTIN is always 14 digits
  - GTIN-14 is 14 digits
  - GTIN-13 is one zero plus 13 digits equals 14 digits
  - GTIN-12 is two zeros plus 12 digits equals 14 digits
  - GTIN-8 is six zeros plus 8 digits equals 14 digits
  - See also General specification figure 2.1.3.1-2 page 30 version 18
18-293: Examples New VRs, existing VRs (examples only, there are more)

1671 If componentIdentification/identificationSchemeAgencyCode equals 'GTIN_13' then componentIdentification **shall be exactly** 13 digits long and have a valid check digit.

1039 If additionalTradeItemIdentificationTypeCode is equal to 'GTIN_13' then associated additionalTradeItemIdentification value **must have** 13 digits and must have a valid check digit.

1294 If gs1TradeItemIdentificationKeyCode is equal to 'GTIN_13' then associated gs1TradeItemIdentificationKeyValue value **must have** 13 digits and must have a valid check digit.

1675 If componentIdentification/identificationSchemeAgencyCode equals 'GTIN_8' then componentIdentification **shall be exactly** 8 digits long and have a valid check digit.

1676 If directPartMarkingIdentifier/@identificationSchemeAgencyCode equals 'GTIN_8' then directPartMarkingIdentifier **shall be exactly** 8 digits long and have a valid check digit.

1295 If gs1TradeItemIdentificationKeyCode is equal to 'GTIN_8' then associated gs1TradeItemIdentificationKeyValue value **must have** 8 digits and must have a valid check digit.

*Difference in wording due to new style for writing VRs*
5) Updates to the How to Write GDSN Validation Rules:
   * Max 1,000 characters in Validation Rules?
Max 1,000 characters in Validation Rules

**Example:** VR 1585 error description more than 1000 characters, breaching Schema (GS1 response):

- Why add all TM, or brickcode to a specific error description, or in the structured rule itself?
- How to address to GSDN and update relevant characters?

<table>
<thead>
<tr>
<th>Structured Rule</th>
<th>Error Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>If targetMarketCountryCode equals ('008' (Albania), '051' (Armenia), '031' (Azerbaijan), '040' (Austria), '112' (Belarus), '056' (Belgium), '070' (Bosnia-Herzegovina), '160' (Bulgaria), '191' (Croatia), '195' (Cyprus), '203' (Czech Republic), '208' (Denmark), '233' (Estonia), '245' (Finland), '250' (France), '276' (Germany), '268' (Georgia), '338' (Greece), '348' (Hungary), '352' (Iceland), '372' (Ireland), '376' (Israel), '380' (Italy), '388' (Kazakhstan), '417' (Kyrgyzstan), '428' (Latvia), '440' (Lithuania), '442' (Luxembourg), '587' (Macedonia), '443' (Moldova), '480' (Montenegro), '526' (Netherlands), '573' (Norway), '615' (Poland), '620' (Portugal), '642' (Romania), '643' (Russia), '688' (Serbia), '703' (Slovakia), '705' (Slovenia), '724' (Spain), '752' (Sweden), '756' (Switzerland), '732' (Turkey), '756' (Turkmenistan), '826' (United Kingdom), '804' (Ukraine), or '860' (Uzbekistan) and catchMethodCode is used then one iteration of catchMethodCode SHALL equal ('01', '02', '03', '04', '05', '07', '08' or '09').</td>
<td>1089 characters.</td>
</tr>
</tbody>
</table>

No iteration of catchMethodCode is a numerical code. Values for this attribute shall equal ('01', '02', '03', '04', '05', '07', '08', at least one iteration of catchMethodCode if targetMarketCountryCode ('008' (Albania), '051' (Armenia), '031' (Azerbaijan), '040' (Austria), '112' (Belarus), '056' (Belgium), '070' (Bosnia-Herzegovina), '160' (Bulgaria), '191' (Croatia), '195' (Cyprus), '203' (Czech Republic), '208' (Denmark), '233' (Estonia), '245' (Finland), '250' (France), '276' (Germany), '268' (Georgia), '338' (Greece), '348' (Hungary), '352' (Iceland), '372' (Ireland), '376' (Israel), '380' (Italy), '388' (Kazakhstan), '417' (Kyrgyzstan), '428' (Latvia), '440' (Lithuania), '442' (Luxembourg), '587' (Macedonia), '443' (Moldova), '480' (Montenegro), '526' (Netherlands), '573' (Norway), '615' (Poland), '620' (Portugal), '642' (Romania), '643' (Russia), '688' (Serbia), '703' (Slovakia), '705' (Slovenia), '724' (Spain), '752' (Sweden), '756' (Switzerland), '732' (Turkey), '756' (Turkmenistan), '826' (United Kingdom), '804' (Ukraine), or '860' (Uzbekistan). |
Validation Rules with more than 1,000 characters in the error message:

- 1613, 1602, 1601, 1585, 1570, 1569, 1089, 533 & 325 At last meeting we agreed to show country name (not code, no brackets or quotes) but this still doesn’t solve the issue. Worst case example VR 1602:

- grossWeight is not used or not greater than ‘0’. This attribute is mandatory and shall be greater than ‘0’ if targetMarketCountryCode equals ’528’ (Netherlands) and isTradeItemADespatchUnit equals ‘true’ and gpcCategoryCode does not equal (10000458,10000570,10000686,10000915,10000456,10000457,10000681,10000912,10000922,10000448,10000449,10000450,10000451,10000684,10000908,10000909,10000910,10000474,10000488,10000489,10000685,10000907,10000459,10000682,10000911,10000500,10000504,10000683,10000846,10000847,10000848,10000849,10000850,10000851,10000852,10000923,10000853,10000854,10000855,10000856,10000857,10000858,10000859,10000860,10000861,10000862,10000914,10000863,10000864,10000865,10000866,10000867,10000868,10000869,10000870,10000871,10000872,10000873,10000874,10000919,10000875,10000876,10000877,10000878,10000879,10000880,10000881,10000882,10000883,10000884,10000916,10000920,10000885,10000886,10000887,10000888,10000889,10000890,10000891,10000892,10000893,10000903,10000904,10000905,10000906,10000894,10000895,10000896,10000897,10000898,10000899,10000900,10000901,10000902,10000921,10002423,10000460,10000461,10000462,10000674,10000838,10000463,10000464,10000675,10000455,10000843,10000452,10000453,10000454,10000648,10000844,10000642,10000584,10000514)
Is having >1,000 in error message an issue

- The error message is meant for the end user (supplier) who submitted the message. For such an end user it sounds really strange that the technical validation rule is repeated in the error message, which is done nowadays.

  - **Error message can/should be simple and not technical**: For example:
    - For target market Netherlands net content is mandatory for consumer units in case the consumer unit is not a healthcare (Pharmaceutical or Medical Device) product.

- If we make the error message **non-technical**, you never need more than 1000 characters.
See changes in Track Change version of How to Write Validation Rules
6) Tomas Wennebo

David and co-charis
Tomas retires on 25th September
7) Close

David and co-charis
Thank you for your participation!

- Next meetings:
  - 23 Sept Monday – *David will not be there?*

Contact [david.buckley@gs1.org](mailto:david.buckley@gs1.org) for invitation to series of calls
Back-up

David