GS1 Global Standards Management Process

Management Level Quarterly Review

Q1 2014

1 January – 31 March 2014

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INTRODUCTION

GSMP provides a comprehensive set of methods and rules allowing the GS1 Community and affected Industry groups to submit their business needs and lead in the creation of globally agreed standards and guidelines. This report provides a summary of all GSMP activities this quarter.

1. STANDARD IMPROVEMENTS DELIVERED THIS QUARTER

eCom: updates to the EANCOM standard to comply with the legal requirements in new legislation for fish traceability in the EU

GDSN Trade Item Implementation Guide (Issue 19): supports GDSN Major Release (MR) 3.X. The GDSN MR greatly improves implementation time for new sectors beyond Consumer Package Goods (CPG), eases restrictions previously in place to meet legacy business requirements, and uses the concept of 'Context' to drive descriptive Trade Item information, which is appropriate and necessary for each industry sector.

General Specification

- Define Pre-Assigned Assortment: reduce confusion in the implementation of this rule by adding more scenarios for a Predefined Assortment.

- Clarify GTIN Allocation Rule 4.1.4: Content of a Dynamic Assortment: clarify the definition of a Dynamic Assortment and make the retailer reference more generic.

- Clarity GTIN Alloc. Rule 4.4.1 Random Mix: clarify the meaning of what a Random Mix is and explain that the items contained in a random assortment are not marked for individual sale or declared individually on the package.

- Disclaimer for GTIN Allocation Rules: remove the inconsistencies amongst the various disclaimers related to the GTIN Allocation Rules in the GS1 General Specifications.

- Extended Coupon Codes 8100, 8101, & 8102: remove Application Identifiers 8100, 8101, 8102 no longer in use or needed due to the implementation of the "North American Coupon Application Guideline Using GS1 DataBar (RSS) Expanded Symbols" in January 2008.

- GTIN Allocation Rule 4.4.2 for Pre-Defined Assortments: Expand the definition of Pre-Defined Assortment in the General Spec to include several scenarios of Standard Trade Items with a mix of Standard Trade Items, Retail Consumer Trade Items with Retail Consumer Trade Items and assortments from multiple manufacturers. This includes revised definitions of Dynamic Assortments and Random Mix.

2. WORK IN PROGRESS IN 2014

Business 2 Consumer (B2C) Trusted Source of Data, Health & Beauty Product Attributes

eCom Transport & Logistics – financial settlement

Electronic Product Code (EPC) in Transport & Logistics Guideline

Electronic Product Code Information System (EPCIS) 1.1 Standards, Guideline and Conformance

Event-Based Traceability Standards

GDS Key Validation Standard

GDS-Global Packing Project (GPP) Packing Sustainability Guideline

Global Data Ssyncronization (GDS) Major Release 3.X Trade Item Implementation Guideline

Global Location Number (GLN) Allocation Rules Updates

Global Product Classification (GPC) June 2014 Publication - with new Horticulture Classification

Global Trade Identification Number (GTIN) on the Web

GS1 Source Mapping Guideline (Mapping TSD 1.0 and 1.1 to GDSN 2.8)

GS1 Source Technical Implementation Guideline for Aggregators using TSD 1.1

Next Generation Product Identification (NGPI)

3. WORK REQUEST ACTIVITY

Work Requests are entered for new standards or modifications to existing standards.

Fourty-eight (48) new Work Requests have been entered this quarter. Work Requests are reported in several ways below:

Table 1. WR submitted for each standard

Standard	2009	2010	2011	2012	2013	2014 YTD
Automatic Identification Data Capture (AIDC) *	25	31	24	45	48	8
Data Accuracy	5	5	0	3	2	0
eCom	63	46	50	64	39	6
EPCglobal	3	23	7	7	1	0
Global Data Synchronisation	75	119	95	144	77	24
Global Product Classification	15	33	62	53	30	9
Global Traceability Standard	4	2	1	2	2	0
Trusted Source of Data (GS1 Source)			1	1	1	0
Other	2	4	7	14	7	1
Total	192	263	247	333	207	48

Table 2. WR submitted by category

Category	2009	2010	2011	2012	2013	2014 YTD
Maintenance	158	220	220	298	190	45
Development	34	43	23	16	16	3
In Analysis	0	0	4	5	0	0
Other				14	1	0
Total	192	263	247	333	207	48

Table 3. WR submitted by region

Region	2009	2010	2011	2012	2013	2014 YTD
Americas	76	115	101	92	94	21
Asia Pacific	7	35	14	20	14	4
Middle East & Africa	0	1	0	0	0	0
Europe	109	112	132	221	99	23
Total	192	263	247	333	207	48

* Find the GS1 regional country list here

Table 4. WR submitted by member type

Member Type	2009	2010	2011	2012	2013	2014 YTD
Member Organisation	123	164	155	211	122	34
Users	69	99	92	122	85	14
Total	192	263	247	333	207	48

4. WORK REQUEST AGING REPORT

Eighty-three (83) Work Requests are open in GSMP as of 31 March 2014

Seventy-two (72) Work Requests were closed this quarter

Table 5. WR Aging Report

Days Open	Under 100	100-200	200-500	Over 500
GSMP Maintenance	35	12	15	0
GSMP Development	3	1	8	6
Industry Engagement	1	0	2	0
Total	39	13	25	6

5. WORK REQUESTS IN INDUSTRY ENGAGEMENT

Three (3) Work Requests are open in Industry Engagement.

Table 6. WR in Industry Engagement

WR #	Topic	Status
14-001	Introduce DotCode as a new GS1 standardized symbology for direct printing on high speed production lines.	Waiting on submitter to provide next steps.
13-014	Enable scanning of SSCC in GS1-128 barcodes from 8 meters in harsh conditions	Testing was delayed due to reprioritization. A new testing date is forthcoming.
13-012	Establish a single solution for variable measure trade item identification	Industry analysis

6. PROCESS CHANGE NOTIFICATIONS (PCNS)

Process Change Notifications (PCN) are used to make changes and additions to the GMSP process. Once approved, they are distributed to the GSMP Community and incorporated into the next version of the GSMP User Manual. The following PCNs have been approved but have not yet been incorporated into the GSMP Process Manual:

- 12-001 Assigning Application Identifiers
- 13-001 Charter Amendment Process
- 13-002 Clarification of Abstention Votes in GSMP
- 13-003 Length of Community Review Efficiencies Added

7. GSMP WORK GROUPS

GSMP Work Groups are responsible for carrying out GS1 System development, developing GS1 Standards, GS1 Guidelines, and other deliverables that support their deployment. Consistent with the principles of openness and community development, all GSMP Work Groups are open to all GSMP members. There are two kinds of GSMP Work Groups:

- Standards Maintenance Groups (SMG): SMGs have indefinite lifetime, are responsible for the on-going maintenance and enhancement of one or more existing GS1 Standards or GS1 Guidelines.

- Mission-specific Working Groups (MSWG): MSWGs are formed to do a specific piece of work as described in its Charter, and which disbands when the work is complete. Mission-Specific Working Groups are created for most work efforts of substantial scope.

7.1. GSMP WORK GROUPS OVERVIEW

Work group status at quarter-end:

- Six (6) Standards Maintenance Groups (SMGs) are active, Bar Codes SMG awaits work requests
- Ten (10) Mission-specific Work Groups (MSWGs) are active
- Two (2) have completed their standard development work but remain open for consult or additional work
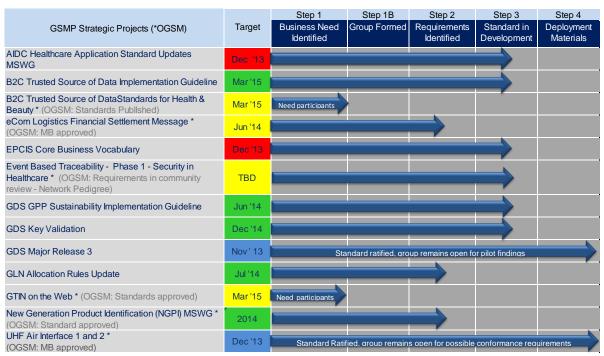   - GDS Major Release 3
    - UHF Air Interface 1 and 2

New work groups initiated with a Call to Action this quarter

- GSMP GTIN+ on the Web
- GSMP Next Generation Product Identification (NGPI)

No work groups closed this quarter

7.2. DEVELOPMENT PROJECTS OVERVIEW FOR QUARTER

Table 7. Development Projects at a Glance

GSMP Strategic Projects (*OGSM)	Target	Step 1 Business Need Identified	Step 1B Group Formed	Step 2 Requirements Identified	Step 3 Standard in Development	Step 4 Deployment Materials
AIDC Healthcare Application Standard Updates MSWG	Dec '13					
B2C Trusted Source of Data Implementation Guideline	Mar '15					
B2C Trusted Source of DataStandards for Health & Beauty * (OGSM: Standards Publlshed)	Mar '15	Need participants				
eCom Logistics Financial Settlement Message * (OGSM: MB approved)	Jun '14					
EPCIS Core Business Vocabulary	Dec '13					
Event Based Traceability - Phase 1 - Security in Healthcare * (OGSM: Requirements in community review - Network Pedigree)	TBD					
GDS GPP Sustainability Implementation Guideline	Jun '14					
GDS Key Validation	Dec '14					
GDS Major Release 3	Nov ' 13	Standard ratified, group remains open for pilot findings				
GLN Allocation Rules Update	Jul '14					
GTIN on the Web * (OGSM: Standards approved)	Mar '15	Need participants				
New Generation Product Identification (NGPI) MSWG * (OGSM: Standard approved)	2014					
UHF Air Interface 1 and 2 * (OGSM: MB approved)	Dec '13	Standard Ratified, group remains open for possible conformance requirements				

* GS1 OGSM (objectives, goals, strategies and goals)

Legend: on-target   at risk   did not meet target   completed

AIDC Healthcare Application Standard Updates deliverable #2: The timeline is significantly behind schedule, a physical meeting at Standards Event was not possible. The group is evaluating additional offline working meetings with key team members. Healthcare provider participation has declined and is impacting solution development quality.

B2C Trusted Source of Data Implementation Guide: Phase 2, EU Food Ingredients Information Regulations (1169), standard development is complete; implementation guidelines are in development. Phase 3 Health/Beauty call to action was issued for industry expertise. Minimum participation has not been reached, alignment with a GS1 in Europe work group is being considered.

GDS Major Release 3: The standard is ratified but the group remains open to correct errata found during pilot.

eCom Logistics: Due to lack of participation, decision was taken, in agreement with the co-chairs, most active stakeholders and IE, not to develop a new message for Logistics Services Charges/Financial Settlement but instead to update current eCom XML Invoice message. WR 13-192 will be passed to eCom SMG for approval of business requirement and solution will be part of eCom Maintenance Release 3.2 due by December 2014.

EPCIS Core Business Vocabulary: The standard is in Call for IP. Risk of additional delays if IP claims are received.

Event-Based Traceability: Industry assessment of US Federal Law (DSCSA) determined minimum impact; Lot/Batch traceability is being incorporated but no impact on current timeline of MSWG. "Security" element of EBT standard(s) is available to members as non-normative document. Work has begun and continues on Choreography and Checking Services elements. Number of Solution Providers participating has increased.

GTIN+ on the Web: A Call to Action was issued Dec. 2013, the group met in Atlanta. Minimum participation has not been met. MO's are needed to engage their users, manufacturers and retailers are needed and solution provider participation is key to the success of this effort.

EPC UHF Air Interface 1 and 2: The standard is ratified but the group remains open to correct errata found and to develop conformance requirements later in 2014.

Project level scorecards are provided for each development work group in GSMP. They include project description, risks, milestones, accomplishments, and status. Monthly updates are available by the 7th day of the month, on our GSMP InSight webpage at www.gs1.org/gsmp/scorecards.

7.3. STANDARDS MAINTENANCE GROUPS (SMGS) OPERATING

Table 8. Standards Maintenance Groups Operating

Group Name	Call to Action Date	Group Status
Bar Codes	15 Apr 2010	Inactive due to lack of WR
Data Accuracy	15 Apr 2010	Working
eCom	15 Apr 2010	Working
Global Master Data (GMD)	15 Apr 2010	Working
Global Product Classification (GPC)	15 Apr 2010	Working
Identification	15 Apr 2010	Working
Traceability and Event Sharing	26 May 2011	Working

7.4. MISSION-SPECIFIC WORK GROUPS (MSWG) OPERATING

Table 9. Mission-Specific Work Groups Operating

Group Name	Call to Action Date	Group Status
AIDC Healthcare Application Standard Updates	23 Feb 2012	Working
B2C Trusted Source of Data (TSD) Phase III Health & Beauty Phase	2 Dec 2011	Seeking members
eCom Logistics Standards	23 Jun 2011	Remains open for consult on SMG work
EPC Information Service (EPCIS) 1.1 and Core Business Vocabulary (CBV)	10 Jun 2012	Working
GDS-GPP Sustainability	10 Jun 2013	Working
Event based traceability formerly named Pedigree Security, Choreography and Checking Service	16 Aug 2012	Working
GDS Key Validation	23 Feb 2012	Working
GDS Major Release 3	28 Jul 2011	Remains open for pilot findings
GLN Allocation Rules Update	17 Oct 13	Working
GTIN + on the Web	20 Jan 2014	Seeking members
New Generation Product Identification (NGPI)	6 Jan 2014	Working
UHF Air Interface 1 and 2	Transitioned from EPC	Remains open for conformance requirements

8. PARTICIPATION

Participants in GSMP are organisations (companies or other recognized entities); each organisation is represented by one or more individual persons belonging to that organisation. There is no limit to the number of individuals from a single organisation that may participate. Companies not a member of GS1 are non-voting.

- GSMP community member (non-voting)
  - o Company has signed GS1 Intellectual Property (IP) Policy
  - o Member has joined the GSMP group in GS1 Community Room
- GSMP community member (voting)
  - o All of the above
  - o A member of GS1
- GSMP Group Member
  - o Company has signed the GS1 IP Policy

- o Company has signed the group Opt-in Agreement
- o Member has joined the GSMP group in GS1 Community Room

8.1. GSMP MEMBERSHIP

GSMP has 1079 individual members, a 13% increase over the last quarter. Fifty-eight (58) are non-voting. Six hundred eighty-six (686) are from users companies and 393 are from Member Organisations (MOs).

GSMP has 413 member companies, a 3% increase over last quarter. Of the 413 companies, 50 are non-voting.

Table 10. Membership Growth

	31 Dec 11	31 Mar 12	30 Jun 12	30 Sep 12	31 Dec 12	31 Mar 13	30 Jun 13	30 Sep 13	31 Dec 13	31 Mar 14
Individuals	541	608	678	742	802	867	896	922	955	1079
Companies	245	268	284	315	332	351	363	377	388	413

Table 11. Individual Membership by Interest Category

Interest Category	# of Participants
Distributor/Group Purchasing	24
GS1 Member Organisation	393
Manufacturer	242
Other	99
Retailer/Hospital(13)	111
Solution Provider	210
Total	1079

Table 12. Member Companies by Interest Category

Interest Category	# of Companies
Distributer/Group Purchasing	13
GS1 Member Organisation	49
Manufacturer	106
Other	63
Retailer/Hospital(11)	51
Solution Provider	131
Total	413

Table 13. Member Companies by Region

Region	# of Companies
Asia Pacific	36
Europe	190
Middle East & Africa	9
The Americas	178
Total	413

8.2. VOTING PARTICIPATION

Each company/organisation has one vote in GSMP, regardless of the number of individuals representing them. GSMP requirements and standards are approved by Community eBallots. Each eBallot requires approximately 12 votes with additional minimum requirements of supply chain role votes (unless a variation exits for the work effort).

The average number of votes per ballot this quarter was 17, down from 22 last quarter.

8.3. EVENT ATTENDANCE

GS1 Global office hosts two physical meetings every year for the GSMP community to collaborate face-to-face on industry needs and the development of GS1 Standards. This meeting is called the GS1 Global Standards Event. A summary of attendance is shown in the charts below.

Table 14. GS1 Standards Event Attendance by member

By individual	Apr '11 Brooklyn	Sep '11 Cologne	Mar '12 Brooklyn	Oct '12 Dublin	Mar '13 Dallas	Oct '13 Lisbon	Oct '14 Atlanta
Member Organisations	84	122	103	112	95	139	82
End Users	59	58	42	56	49	55	49
Solution Providers	39	39	25	31	36	47	32
Affiliates (Academia, Assoc., Gov.)	13	7	5	12	10	15	11
Global Office Staff	50	51	49	49	53	52	51
Totals	245	277	224	260	243	308	225

Table 15. GS1 Standards Event Attendance by organisation

By organisation	Apr '11 Brooklyn	Sep '11 Cologne	Mar '12 Brooklyn	Oct '12 Dublin	Mar '13 Dallas	Oct "13 Lisbon	Oct '14 Atlanta
Member Organisations	24	30	26	28	26	31	25
End Users	39	43	27	43	38	40	28
Solution Providers	27	26	20	23	29	35	21
Affiliates	10	6	5	9	7	11	11
Global Office	1	1	1	1	1	1	1
Totals	101	106	79	104	101	118	86

9. QUALITY

The GSMP defines quality as the entire process employed to ensure that all GS1 Standards are user-driven, globally applicable, royalty-free (to the best of our ability) and ultimately meet the needs and requirements defined by its members.

9.1. DUE PROCESS

All GSMP groups are expected to follow the processes and procedures specified in the GSMP Manual. A community solutions eBallot is used to confirm community consensus to progress a draft standard, or other GSMP deliverable.

9.2. CONSENSUS

Decision-making is achieved though consensus, which is defined as approval without sustained opposition.

Below are measures of due process and consensus in the GSMP:

- Zero (0) due process infractions
- Fifty (50) eBallots were approved this quarter; 3 were approved with 1 no vote each
- Ninety-four percent (94%) of ballots were approved unanimously, down from ninety – 97% last quarter
- Eight hundred fourty (840) total yes votes were cast this quarter with 3 total "no votes"
    - o Ninety-nine percent (99%) of votes were affirmative, consistent with the previous quarter

9.3. SATISIFACTION

GS1 issues several surveys to measure satisfaction with GSMP. An annual survey sent to members, an annual sent to Member Organizations, and a survey sent to event attendees. Below are the results from all three surveys.

9.4. GSMP MEMBER SATISFACTION SURVEY

GSMP favourable results have been growing for last three years. Below are the results for the fiscal year end June 30 2013 survey. Ninety-two (92) of 867 members responded to the survey. Overall the strong points were satisfaction with GSMP staff. Weak points were the efficiency of the process.

Table 16. Overall GSMP member satisfaction survey

Questions	% FAVS/UNFAVS	
	2012	2013
Overall satisfaction with GSMP	n/a	66/10
Satisfaction with GSMP staff	80/1	84/6
Efficiency of process	49/15	44/19

9.5. GSMP EVENT SATISFACTION SURVEY

The GS1 Global Standards Event took place 21 – 25 March 2014 in Atlanta, Georgia. Attending the event were 225 individuals representing 86 companies and organisations from 25 countries. Individual attendance decreased by 7.5% from the last event held in the US. For a report of accomplishments, see the Work Group Report on the post event website: http://www.gs1.org/events/2014/atlanta

Table 17. Standards event satisfaction survey

Questions	%favourable/%unafavourable
Overall satisfaction with the event	83/10
Event facilities	76/10
Agenda	70/16

10. GS1 MEMBERS ORGANISATION SATISFACTION SURVEY

GS1 issues an annual survey to all GS1 Member Organisations (MOs) to rate their satisfaction with GSMP. GSMP favourable results have been growing for last three years. Below are the results for the fiscal year end 30 June 2013 survey. Ninety-two (92) MOs responded to the survey.

Table 18. MO satisfaction survey

	%favourable/%unfavourable		
	2013	2012	2011
GSMP	61/1	57/5	51/5

Note: GSMP favourable responses are 61%, up from 57% last year

11. WORK-ORDER ON-TIME PERFORMANCE

Work Requests are the entry point into the GSMP process to request new standards or modify existing standards. Work Requests follow the process and procedures laid out in the GSMP Manual for approval and development. The time it takes for GSMP projects to be processed are measured below.

11.1. MAINTENANCE ON-TIME PERFORMANCE

A Work Order is categorised as maintenance if it is a single or a group of small changes to an existing standard or guideline that can handled by a standing committee. Examples: errata, new EDI code values, new symbol placement rules, GDSN Validation Rules. Maintenance Type 1 is considered on-time if it is completed within 180 days; Maintenance Type 2 is considered on-time if completed within 365 days. Maintenance on-time performance is measured from the submission date to the GSMP work complete date and ready for ratification (if applicable).

Ninety-two percent (92%) of Maintenance Work Requests closed on-time as of 31 March 2014, a slight increase from last quarter. The on-time close rate by technology is detailed below:

Table 19. Maintenance on-time performance

SMG	Total closed	Closed on-time	Exceeded benchmark	% Closed on-time
AIDC	72	54	18	75%
Data Accuracy	4	4	0	100%
eCom	105	93	12	88%
GMD	242	241	1	99.5%
GPC	75	66	9	88%
Product Image Specification	10	10	0	100%
Traceability & Event Sharing	2	0	2	0%
Totals	510	468	42	92%

11.2. DEVELOPMENT ON-TIME PERFORMANCE

A Work Order is categorised as development if it involves creation of a new standard/guideline or significant change to existing standard/guideline. Examples: extension to GDSN, a new EPCglobal High Frequency (HF) Air Interface Standard, an enhancement to the EPCIS standard to include aggregation layers, a new bar code symbology, a new Business Message Standard. Development work is on-time if the work is completed in or under the estimated time to complete. The estimated completion date is defined in the project plan at the start of the development stage.

No development projects have been completed this quarter.

12. GSMP GOVERNANCE GROUPS

12.1. BOARD COMMITTEE FOR STANDARDS (BCS) MEMBERS

Volker Zeiner, B. Braun
Miguel Lopera, GS1
Maria Palazzolo, GS1 Australia – Chairperson
Art Smith, GS1 Canada
Pierre Georget, GS1 France
Elzbieta Halas, GS1 Poland
Bernie Hogan, GS1 US
Lori Bigler, J.M. Smucker Co.
Antonius Kromwijk, Nestle
Juan Antonio Sanfeliu, Manufacturas Antonio Gassol
Gerd Wolfram, METRO AG

12.2. PROCESS OVERSIGHT COMMITTEE (POC) MEMBERS

Sylvia Rubion Alegren, ICA Sverige AB

Hanjoerg Lerch, METRO AG – Tri-Chair
Steve Robba, 1 Worldsync
Ron Moser, Wal-Mart
Steven Pereira, GS1 Australia
Mike Sadiwnyk, GS1 Canada – Tri-Chair
Natascha Rossner, GS1 France – Tri-Chair
Klaus Foerderer, GS1 Germany
Marco Belanos, GS1 Mexico
Loek Boortman, GS1 Netherlands
Mary Wilson, GS1 US

12.3.   TECHNICAL STANDARDS COMMITTEE (TSC) MEMBERS

Steve Halliday, High Tech Aid – Chairperson
Chris Diorio, Impinj

12.4.   ARCHITECTURE GROUP MEMBERS

John Terwilliger, Abbott Laboratories
Mark Harrison, Auto-ID Lab Cambridge
Junyu Wang, Auto-ID Lab Fudan
Josef Preishuber-Pflügl, CISC
Tony Zhang, FSE Inc.
Ken Traub, Ken Traub Consulting
Jens Kungl, MGI METRO
Vera Feuerstein, Nestlé – Tri-Chair
Robert Abate, Wal-Mart- New member
Fred Kempkes, Unilever – New member
Sue Schmid, GS1 Australia – Tri-Chair
Eugen Sehorz, GS1 Austria
Kevin Dean, GS1 Canada
Xavier Barras, GS1 France
Andreas Fuessler, GS1 Germany
KK Suen, GS1 Hong Kong
Roberto Matsubayashi, GS1 Brasil
Hein Gorter de Vries, GS1 Netherlands
Kunle Oye-Igbemo, GS1 Nigeria
Pere Rosell, GS1 Spain
Staffan Olsson, GS1 Sweden
Andrew Osborne, GS1 UK
David Buckley, GS1
Henri Barthel, GS1 – Tri-chair
Sean Lockhead, GS1

13. GSMP INSIGHT (REPORTING) DOCUMENTS AND CONTACT US

Access this document and other GSMP InSight (reporting) documents at this website:
http://www.gs1.org/gsmp/insight

Please contact Eileen Harpell with your questions or suggestions: Eileen.Harpell@GS1.org