



GS1 Global Standards Management Process

Management Level Quarterly Review

Q2 2014

1 April – 30 June 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.

Standard Improvements Delivered this Quarter

Core Business Vocabulary - updates to the EPCIS Standard to support traceability requirements

eCom - updates to GS1 XML to include legal requirements defined in EU Fish Traceably legislation

GPC - GPC Dec-2013 Publication includes new bricks for food, toys, hardware, electronics and veterinary healthcare - publication

GDS (5)

GDS-GPP Packaging Sustainability Implementation Guideline assists users in understanding how sustainability related information is exchanged between trading partners in a reliable and cost efficient way - New

GDS - GDS Fresh Fruit & Vegetables Implementation Guideline provides best practice guidelines for industry-wide adoption for New Item Listing and update of existing assortment - New

FDA GUDID Guideline will assist GDS implementers on the use the Global Data Synchronization Network (GDSN) to securely provide data to a Unique Device Identification (UDI)) database - New

Fish GDS Master Data Guideline – New

GDSN Trade Item Implementation Guideline, i20 – Publication

EPCIS - updates to the Core Business Vocabulary Standard to support traceability requirements

General Specification (8)

updates to include improvements for tolerances and acceptance criteria for printing bar codes

updates to make clarifications on the use of GTIN-14 is not mandatory to allow the use of AI (8005) "Price per unit of measure" at point of sale

updates to the GTIN Allocation Rule 4.4.2 to include Pre-defined Assortments for Retail Kits for retail and foodservice and the elimination of the GTIN Allocation Rule 4.6 (identified as not needed)

GS1 Logistics Label updates

updates to Enable Direct Part Marking to be applied to all medical devices and enable use of smaller GS1 DataMatrix symbols than currently permitted

2D Bar Code Verification Process Implementation Guideline provides basic framework for establishing and maintaining a GS1 Bar Code two-dimensional quality verification service – New

updates to 2D BarCode Verification Process Implementation Guideline

updates to GS1 Logistics Label Guidelines

Product Image Specification (2)

updates to improve text, examples & formatting

update to improve image naming convention

TSD/GS1 Source (2)

Trusted Source of Data Guideline to provide mapping guidance to users of GS1 Source v1.1 and GDSN v2.8 - New

Trusted Source of Data Guideline to support GS1 Source conformance initiatives and enable aggregator implementation - New

Standards delivered in the previous 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 - Publication

General Specification (6)

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 Allocation 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.

Work in progress in 2014

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

Electronic Product Code (EPC) in Rail Transport & Logistics Guideline

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

Event-Based Traceability Standards

GDS Key Validation Standard

Global Location Number (GLN) Allocation Rules Updates

Global Trade Identification Number - GTIN+ on the Web

Next Generation Product Identification (NGPI)

Work Request Activity

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

Sixty-Four (64) 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	9
Data Accuracy	5	5	0	3	2	1
eCom	63	46	50	64	39	16
EPCglobal	3	23	7	7	1	0
Global Data Synchronisation	75	119	95	144	77	63
Global Product Classification	15	33	62	53	30	12
Global Traceability Standard	4	2	1	2	2	0
Trusted Source of Data (GS1 Source)			1	1	1	2
Other (CBV, Dot Code, Product Image Spec, GTIN+ on Web)	2	4	7	14	7	9
Total	192	263	247	333	207	112

Table 2. WR submitted by category

Category	2009	2010	2011	2012	2013	2014 YTD
Maintenance	158	220	220	298	190	102
Development	34	43	23	16	16	8

In Analysis	0	0	4	5	0	2
Other				14	1	0
Total	192	263	247	333	207	112

Table 3. WR submitted by region

Region	2009	2010	2011	2012	2013	2014 YTD
Americas	76	115	101	92	94	51
Asia Pacific	7	35	14	20	14	4
Middle East & Africa	0	1	0	0	0	0
Europe	109	112	132	221	99	57
Total	192	263	247	333	207	112

* 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	91
Users	69	99	92	122	85	21
Total	192	263	247	333	207	112

Work Request Aging Report

Seventy-seven (77) Work Requests are open in GSMP as of 30 June 2014

Fifty-one (68) Work Requests were closed this quarter

Table 5. WR Aging Report

Days Open	Under 100	100-200	200-500	Over 500
GSMP Maintenance	39	7	12	2
GSMP Development	4	1	1	8
Industry Engagement	0	1	0	2
Total	42	9	13	12

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 notes from last meeting
13-014	Enable scanning of SSCC in GS1-128 barcodes from 8 meters in harsh conditions	Requires lab testing which began in June
13-012	Establish a single solution for variable measure trade item identification	GS1 Sweden is drafting an SBN

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

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.

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) work groups closed this quarter

- eCom Logistics Standards

- GDS-GPP Sustainability

Development Projects Overview for quarter

Table 7. Development Projects at a Glance

GSMP Strategic Projects (*OGSM)	Target	Step 1	Step 1B	Step 2	Step 3	Step 4
		Business Need Identified	Group Formed	Requirements Identified	Standard in Development	Deployment Materials
AIDC Healthcare Application Standard Updates MSWG	Dec '13					
B2C Trusted Source of Data Implementation Guideline	Mar '15					
B2C Trusted Source of Data Standards for Health & Beauty * (OGSM: Standards Published)	June '15	Need participants				
eCom Logistic Service Conditions and Financial Settlement	Dec '14					
EPCIS Core Business Vocabulary updates to standards	Dec '13					
EPCIS Core Business Vocabulary Implementation Guidelines	Mar '15					
Event Based Traceability - Phase 2 – Choreography & Checking Services * (OGSM: Standard approved)	Jun '15					
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	Dec '14					
GTIN on the Web * (OGSM: Standards approved)	Jan '15	Lack web experts				
New Generation Product Identification (NGPI) MSWG * (OGSM: Standard approved)	Dec '14					
UHF Air Interface 1 and 2 Conformance	Jun '15	Standard ratified, group remains open for performance requirements				

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

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

Project Updates

AIDC Healthcare Application Standard Updates deliverable #2 — Update Direct Part Marking (DPM) specifications for healthcare trade items: The timeline is significantly behind schedule. The team has developed proposals for all scope items and is preparing to progress them into the community approval process. The Human Readable Interpretation (HRI) changes and changes to the Healthcare GTIN allocation rules are planned for completion in the 3rd quarter. The work group is also evaluating the need for updated to the Healthcare AIDC Implementation Guideline, or the need to develop a new guideline.

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.

GLN Allocation Rule Updates MSWG: the requirements development phase is taking longer than expected due to receiving more use cases than anticipated. Team is currently finalising requirements and expects to have the business requirements progressed to community review during the summer. Project leadership is evaluating options to accelerate standards development.

Event-Based Traceability: The security framework is complex. The group lacks security experts (solution provider) to provide input regarding security framework. The risk mitigation plan is to leverage EBT educational materials to educate new participants and conduct a solution provider meeting to share what is needed and what can be provided.

GDS Key Validation: Building a simpler solution path will cause delays in the eBallot but will ease implementation dramatically and usage of the solution

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.

Next Generation Product Identification (NGPI) MSWG: the group has decided to prioritize developing the Product Variant Number technical standard, and has been collecting business requirements for this new standard. The project timeline is being revised to align to this approach and will be confirmed by the work group and work group leadership. Work group co-chairs have been selected, consisting of team members from Mars, Target and Marsh Consulting.

UHF Air Interface 1 and 2 Conformance: Participation numbers for creating UHF standard were low. Expect participation for Conformance Requirements to be the same or lower.

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/gsm/scorecards.

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

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
EPC Information Service (EPCIS) 1.1 and Core Business Vocabulary (CBV)	10 Jun 2012	Working on Implementation Guideline

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	Working and seeking members
New Generation Product Identification (NGPI)	6 Jan 2014	Working
UHF Air Interface 1 and 2	Transitioned from EPC	Working on conformance requirements

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

GSMP membership

GSMP has 1079 individual members, a 3% increase over the last quarter. Fifty-nine (59) are non-voting. Six hundred ninety-nine (699) are from user companies and 413 are from Member Organisations (MOs).

GSMP has 424 member companies, a 3% increase over last quarter. Of the 424 companies, 51 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	30 Jun 14
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Individuals	541	608	678	742	802	867	896	922	955	1079	1112
Companies	245	268	284	315	332	351	363	377	388	413	424

Table 11. Individual Membership by Interest Category

Interest Category	# of Participants
Distributor/Group Purchasing	24
GS1 Member Organisation	413
Manufacturer	246
Other	96
Retailer/Hospital(13)	116
Solution Provider	217
Total	1112

Table 12. Member Companies by Interest Category

Interest Category	# of Companies
Distributor/Group Purchasing	13
GS1 Member Organisation	51
Manufacturer	108
Other	61
Retailer/Hospital(11)	55
Solution Provider	136
Total	424

Table 13. Member Companies by Region

Region	# of Companies
Asia Pacific	36
Europe	201
Middle East & Africa	9
The Americas	178
Total	424

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 exists for the work effort).

The average number of votes per ballot this quarter was 20, up from 17 last quarter.

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

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.

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.

Consensus

Decision-making is achieved through 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 two (52) eBallots were unanimously approved this quarter
- One hundred percent (100%) of ballots were approved unanimously, up from ninety – 94% last quarter
- One thousand forty one (1041) total yes votes were cast this quarter with 0 no votes
 - o One hundred percent (100%) of votes were affirmative, up from last quarter's 99%

Satisfaction

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.

GSMP member satisfaction Survey

Favourable results declined this year an average of 8%. The number of respondents rose 128% representing feedback from a larger community. Neutral responses rose an average of 11% and unfavorable responses declined an average 4%.

Two hundred and ten of 1079 members responded to the survey. Satisfaction with GSMP staff remains strong in over the process.

Below are the results for the fiscal year end June 30 2014 survey.

Table 16. Overall GSMP member satisfaction survey

Questions	% FAVS/UNFAVS		
	2012	2013	2014
Overall satisfaction with GSMP	n/a	66/10	57/5
Satisfaction with GSMP staff	80/1	84/6	73/4
Efficiency of process	49/15	44/19	39/14

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/%unfavourable
Overall satisfaction with the event	83/10
Event facilities	76/10
Agenda	70/16

The next Event!



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.

Table 18. MO satisfaction survey

Favourable responses have increased to 72% of respondents, up from 61% last year.

%favourable/%unfavourable			
2014	2013	2012	2011

GSMP	72/2	61/1	57/5	51/5
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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.

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 be 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 (both with a 10% variance). Maintenance on-time performance is measured from the submission date to the GSMP work complete date and ready for ratification (if applicable).

Ninety-Three percent (93%) of Maintenance Work Requests closed on-time as of 30 June 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	76	60	16	79%
Data Accuracy	5	5	0	100%
eCom	116	104	12	90%
GMD	259	258	1	99.6%
GPC	80	71	9	89%
Product Image Specification	15	15	0	100%
Traceability & Event Sharing	2	0	2	0%
Trusted Source of Data/GS1 Source	2	2		100%
Totals	555	515	40	93%

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.

Note there is a change to how development work is being reported. Previously in GSMP, development work was conducted exclusively in a Mission Specific Work Group and the work effort was titled the MSWG name. As an efficiency measure, GSMP now has the option to send development work to an SMG utilizing the standing group of experts. Going forward, development work will be reported by WR number.

Below are the 1st and 2nd quarter 2014 development results for on-time performance.

WR Number	Topic	Date Due	Date Completed	On time
14-068	Updates to Core Business Vocabulary	Dec 13	May 14	No
14-007	GDSN Trade Item Implementation Guide, i20	June 14	June 14	Yes
13-123	GDSN Fresh Fruits & Vegetables Implementation Guide	June 14	May 14	yes
13-117	GDS-GPP Packaging Sustainability Implementation Guide	June 14	May 14	yes
13-064	AIDC Healthcare Application Standard Updates Phase II	Dec 13	June 14	No
12-206	GDSN Trade Item Implementation Guide, i19	May 14	Mar 14	Yes
11-213	EPCIS 1.1	Dec 13	May 14	No

Projects not completed on time

13-064 - AIDC Healthcare Application Standard Updates Phase II - This project was delayed due to additional scope requested by key team members. The work group has since reconsidered that scope, removed it, enabling the team to finalise its proposed changes.

14-068 - Updates to Core Business Vocabulary and 11-213 - EPCIS 1.1 - The work effort did not start in earnest until a few months after the kickoff. Additional time was taken to resolve conflicting points of view on a technical solution. The original date of Dec 13 was quite aggressive.

GSMP Governance Groups

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

Process Oversight Committee (POC) Members

Sylvia Rubio 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
Carrie Wilkie, GS1 US

Technical Standards committee (TSC) Members

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

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
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

GSMP InSight (reporting) documents and Contact Us

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<http://www.gs1.org/gsmp/insight>

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