

Multiple Bar Codes Work Group

Date: 20-May-2009

CR #: 08-000263

CR #: 08-000251

CR #: 09-000092

This is a GSMP **Call-to-Action** to recruit users from all industries and from everywhere in the world to bring their expertise, commitment, and contribution to a new GSMP work area.

The information herein gives a general description of the new work area and the **Multiple Bar Codes Work Group (WG)** that is being formed to accomplish the work. For detailed information on the requirements and procedures to join this work area, please refer to and follow the instructions in Section 13 below.

1. Objective/Scope of the Multiple Bar Codes Work Group

- This group is being formed to assess the impact of the move toward multiple bar codes on one end-user package to make it easy for humans and machines to use bar code technology in supply chain and mobile commerce applications.

Some examples of the problems that could occur are:

- a consumer mobile scanning a code designed for back-end processing
- a POS scanner reading a code designed for consumer mobile scanning
- hospital users unsure which code to read due to multiple bar codes fulfilling regional requirements
- The main objectives will be:
 - to identify potential solutions to support FMCG, Healthcare, internal, and mobile commerce applications and then standardize those solutions
 - to support all business requirements with as few data elements as possible in the bar codes (data carriers) so our membership will be able to use as few data elements as possible
 - to support all business requirements using as few bar codes (data carriers) as possible so our membership in order to get that data into as few data carriers as possible
 - to make it obvious to consumers, end users, caregivers, etc. which bar code on the package is THEIR bar code
 - to make it obvious to machines which bar code is their bar code of interest
- The output focus is twofold
 - a standard on which data carrier to use (when and how) looking for the best solution at the global level, independent of current legacy
 - a standard solution to avoid dual or triple carriers on a package (wherever possible one bar code symbol and not two or more).
- Though EPC / RFID is also a data carrier, this group will not address guidelines for how EPC / RFID tag data shall be represented for optical or human reading or tag data representation as this is an interoperability discussion and should be dealt with as part of another existing project (the Integrated Architecture PDD).

- The expected output of the group will be a GS1 General Specification Change Notice (GSCN) for the enhancement of the GS1 General Specification. The GSCN is the approved document to be developed, approved and ratified. GSCN's are the recognized standard until incorporated into the GS1 General Specification during the annual publication cycle.
- Specific deliverables of the group will be GS1 General Specification application standards covering the following questions:
 - Types of GS1 data carriers (bar codes) that should be read by AIDC devices (mobile phones, POS scanner, portable scanning data terminals , etc.)
 - What data is encoded in the bar codes?
 - How information is retrieved based on attributes encoded in bar code?
 - Specifications for placement on products (size, colour, location, etc.)

2. Scope Constraints of the Multiple Bar Codes WG

GSMP WGs must adhere to the GS1 Standards Development Methodologies to assure their scope and deliverables, upon which the work of the other GSMP groups depends.

Generally, the team must operate within the following context:

- Develop documents that capture the business and technical requirements
- Develop documents that capture the additional considerations and concerns that were discussed during the group's calls and physical meetings.

This work effort is based off of Change Requests: #08-000263, #08-000251, #09-000092.

3. Expertise Required

This is a call for AIDC, MobileCom, Retail, Healthcare, business information, and business information technology experts for the **Multiple Bar Codes Work Group**. The experts should represent trading partners from both sides of the trading relationship, third parties, and solution providers to have proper representation on the WG. The intent is to have balanced membership from the **GS1 Global Retail, MobileCom and Healthcare** user communities to define and establish proper global standards with the clear intention of implementing the resulting standards.

The **Multiple Bar Codes Work Group** will also, where appropriate, consult with and seek advice from the experts in the Bar Codes and Identification Technology Group to ensure that the bar code related solutions are technically and economically feasible.

4. Areas Affected

Define which BRG owns this Call-to-Action. If no BRG is responsible then assign it to a generic classification such as "Corporate".

Select all that apply:

Product Area	How is this area affected?
<input checked="" type="checkbox"/> BarCodes & ID	Possible impact to the General Specification
<input type="checkbox"/> GDSN	
<input type="checkbox"/> eCOM	

<input type="checkbox"/> Data Accuracy	
<input type="checkbox"/> Traceability	
<input type="checkbox"/> EPC	

Additional information:

- Guidelines for the use of additional bar codes (on products) to be read by consumer mobile devices will be considered and developed as needed, led by the GS1 MobileCom Group. This group will be invited to review and comment on the specifications being developed, per the GSMP process, with the specific intent to ensure a robust foundation for Extended Packaging (consumers accessing more information about products via their mobile phones).

5. Distribution for Call to Action

Please circulate this **Call to Action** packet by forwarding it to your email distribution lists. GSMP WGs are open to broad participation from any industry group, company, or region. All '**Call to Action**' packets are posted in the GS1 website at:

http://www.gs1.org/gsmp/community/call_to_action

It is also distributed via a GSMP Community email announcement.

6. Timeline:

The timeline will be defined, detailed and finalized by the **Multiple Bar Codes Work Group** when it is formed. The duration of the work is estimated to be 9 months.

7. Participants:

Known Participants:

- GS1 Sponsor: **Sally Herbert, GS1 Global Office**
- GS1 Business Unit Manager: **Scott Gray, GS1 Global Office**
- Work Group Chair(s): **(To Be Confirmed)**
- GS1 Project Manager: **Chuck Biss, GS1 Global Office**
- GS1 MobileCom SME: **Dipan Anarkat, GS1 Global Office**
- GS1 Bar Codes Technology Manager: **Frank Sharkey, GS1 Global Office**
- GS1 GSMP Process Manager: **Tom Heist, GS1 GSMP**

GS1 Member Organisations (MO) Participants:

Name	Company
Ilka Machemer	GS1 Germany
Cameron Green	GS1 Global Office – Mobile Commerce

Supplier Participants:

Name	Company

Retailer Participants:

Name	Company

Data Pool Participants:

Name	Company

Other Participants (Transportation, Logistics, Associations, Governmental etc.):

Name	Company

8. GSMP Process:

For complete information regarding the GSMP (including access to the GSMP Manual), please refer to the website at: <http://www.gs1.org/gsmg/overview/>.

9. Sessions

The WG is responsible for scheduling meetings to accomplish their work. Sessions are defined as face-to-face or physical meetings and teleconferences. All GSMP Sessions include the necessary Anti-Trust cautions and Intellectual Property Policies/Procedures as defined by GS1 legal counsel. The Anti-Trust cautions is located on the GS1 website at: http://www.gs1.org/gsmg/process/gs1_antitrust.

The MobileCom IP Policy is located on the GS1 website at:

<http://www.gs1.org/docs/mobile/IPPolicy.pdf>

10. Face-to-Face Meetings

The Process Manager schedules face-to-face meetings with reasonable advance notice to allow for proper planning. Face-to-face meetings will occur at the behest of the group, will cover 2 or 3 days per meeting and will be held in order to speed up the work as much as possible. Participants are expected to cover their own expenses related to travel, accommodation and time for the physical meetings. Face-to-face meetings will be arranged in GS1 GO locations: **Brussels, Belgium** or **Princeton, NJ, USA** or may be hosted by participant companies or Member Organizations.



11. Teleconferences

Multiple Bar Codes Work Group teleconference schedule will be defined, detailed and finalized by the Multiple Bar Codes Work Group when it is formed. The kick-off (first) teleconference is scheduled for **Wednesday, 05 August 2009 at 11:00 to 12:00 Eastern US**.

12. Agendas and Minutes

GSMP GS1 Community Room facilities will be used to support this WG. The Process Manager is responsible for preparing all agendas and minutes.

Agendas must include:

- Review of the agenda.
- Approval of previous meeting or call minutes.
- Discussion of all pending issues and action items.

Meeting minutes should record:

- The original agenda
- Members, participants, guests, and staff present
- Requests for notation
- Decisions, resolutions, and action items.

13. How to Join

You can join this WG through the **GS1 Community Room**.

If you are already a GS1 Community Room member:

1. Access the GS1 Community Room at: <http://community.gs1.org/members/>
2. Click on **All Groups**
3. Choose **GSMP Multiple Bar Codes Work Group (WG)** from the list. The group's home page will appear.
4. Click on **Join the Group** in the upper left of the group's home page

If you are NOT a GS1 Community Room member:

1. Apply for GS1 Community Room membership by using our Online Form at: http://community.gs1.org/kmembership_info/person_signup/
2. Once you receive your username and password, follow the directions above to join this WG.



Note: Due to the GS1 MobileCom technology considerations as part of the scope of this project. All participating companies will be required to sign the GS1 MobileCom or the GS1 Intellectual Property Policy and Opt in to the scope of this group.

The GS1 MobileCom IP Policy information is available on the website at <http://www.gs1.org/mobile/ip> and the Multiple Barcodes WG IP Policy Opt In is included below.



You will be emailed directions for completing this documentation once you join the Work Group in Community Room. Please send questions to mcomsupport@gs1.org.



Please go to <http://www.gs1.org/productssolutions/mobile/ippolicy.html> for directions on submitting the IP Opt In form below. Otherwise directions will be mailed to you once you join the group in Community Room. Please email mcomsupport@gs1.org if you have any questions.

Working Group Opt-In Agreement

GS1 Mobile Com IP Policy

Multiple Bar Codes Work Group (WG)

Participation Commitment (Opt-In)

By signing below, the undersigned acknowledges and certifies as follows:

1. He/she is authorized to sign this Participation Commitment on his/her own behalf and on behalf of the entity indicated below.
2. He/she and his/her company desires to participate in the activities of the WG named above.
3. He/she has reviewed the Multiple Barcodes WG Call to Action and Associated Change Requests and understands the nature and scope of the work to be undertaken by the Multiple Barcode WG as it is governed by the GS1 MobileCom and GS1 IP Policy.
4. To participate in the Multiple Barcodes WG, it is necessary to execute the GS1 MobileCom or the GS1 Intellectual Property Policy (IP Policy) which provides, *inter alia*, that Participant and its Affiliates shall grant a royalty-free and otherwise reasonable and non-discriminatory license to any Necessary Claims contained in intellectual property owned or controlled by Participant or its Affiliates that may be embodied in the work of the corresponding Working Group(s). If Participant is unwilling to grant such a license, it shall disclose this fact at least 30 days before a Standard/Specification is finalized (See section 3.3 of the IP Policy), by submitting the IP declaration attached hereto. Participant or a duly authorized member of Participant's company has executed the IP Policy and delivered same to GS1. In the event of any difference between the provisions of the IP Policy and this, or any other document, the IP Policy shall control.
5. Participant agrees to waive his/her IP rights during the piloting stage of the corresponding Working Group(s), for prototyping purposes only, whether or not Participant is involved in prototyping.

_____	_____
Signature	Print Name
Company Name _____	
Address Line 1 _____	
Address Line 2 _____	
Email Address _____	
_____	_____, 200__
Phone Number	Date

Working Group Assignment of Representatives Multiple Bar Codes Work Group (WG)

Instructions for Submitting Opt-In Agreement to Join a Group

1. Prior to submitting this Opt-In agreement, your company should be a member of GS1 and must have a valid Intellectual Property Policy Agreement (IP Policy) on file with GS1. If these conditions are not met, please email mcomsupport@gs1.org to learn how to proceed.
2. Read the group's Call-to-Action included in this file, print pages1-2. An employee of your company who is authorized to sign the Opt-in Agreement should sign the Opt-in (first page). Note: A signature is required. Text changes or additions to the Opt-in agreement cannot be accepted.
3. On this page, designate your representatives to this group in the table below.
4. Email or fax the signed [MobileCom IP Policy](#) or [GS1 IP Policy](#) and Opt-in and this page to mcomsupport@gs1.org
5. The MobileCom Admin will verify your GS1 Membership and IP documentation. Within 5 business days, your company representatives will receive an email approving access to **GS1 Community Room** at <http://community.gs1.org/members/>.

The following person will act as Voting Representatives in this WG:

First Name	Last Name	Title	Email Address	Phone

The following persons will act as Representatives in this WG:

First Name	Last Name	Title	Email Address	Phone

If you are the submitter of this form and do not require access to the working group, please provide your contact information below so that we may confirm acceptance of this Opt-in agreement:

Name _____ Phone: _____ Fax: _____

Email Address _____



IP Declaration Form

(Included for reference purposes only)

- As per the GSMP, as well as the MobileCom and GS1 Intellectual Property Policy, the following pages provide an outline and description of the elements required in the IP Declaration.
- The following pages are the forms required for submitting an IP Declaration.
- Once the IP Declaration is completed, it should be forwarded to GS1 MobileCom mcomsupport@gs1.org along with any and all supporting documentation.
- Failure to provide notification as required by the IP Policy constitutes consent of the Participant to the provisions of the IP Policy, namely, the granting of a non-exclusive, royalty-free license relative to Necessary Claims under the IP Policy.



GS1 MobileCom Patent Statement and Licensing Declaration

(Included for reference purposes only)

Please return to the GS1 MobileCom at mcomsupport@gs1.org

Patent Holder/Organization:

Legal Name: _____

Contact for license application:

Name & Dept.: _____

Address: _____

Tel.: _____

Fax: _____

E-mail: _____

GS1 Standard:

Title: _____

Licensing Declaration

The Patent Holder believes that it holds granted patents and/or pending applications, with Necessary Claims, the use of which would be required to implement the above GS1 Specification and hereby declares, in accordance with the GS1 MobileCom and GS1 Intellectual Property Policy, that:

Subject to provisions of the IP Policy, the Patent Holder will grant a RAND license, under Necessary Claims in order for implementers of the Specification to manufacture, use, import, offer to sell, lease and/or sell implementations of the above GS1 Specification.

For each Necessary Claim declared hereunder, please provide the following information:

1. Patent Number/Application Number – Country
2. Inventor(s)
3. Owner/Licensee



4. A detailed description of all “Necessary Claim(s)” and a citation of the relevant section(s) of the GS1 Standard/Specification covered – please list each claim on a separate line with the relevant section(s) of the GS1 Standard/Specification.
5. Set forth a description of the basis for the assertion that the subject matter of any cited Necessary Claim is considered necessary to implement the GS1 Standard/Specification.
6. For unpublished patent applications containing Necessary Claims, provide the filing date and attach a copy of the specification, drawings and prosecution history to the date of such unpublished patent applications. No incomplete submissions will be considered to comply with the GS1 MobileCom or the GS1 IP Policy.
7. Set forth the principle licensing terms, including all fees required, the royalty rate, the manner in which royalties are to be calculated and any restrictions on the license, in sufficient detail for a prospective implementer to estimate the costs and requirements associated with implementing an GS1 Standard/Specification, should such licensing be desired by an implementer.

For each patent declared, please provide the following information using the chart below. Please use the space below the chart if additional room is required.

Signature _____
Name of authorized person _____
Title of authorized person _____
Signature Place & Date _____

