GSMP EPC UHF Gen2v3 Mission Specific Working Group (MSWG)
WR – 21-320

Project Description
This group will develop technical revisions to modernise GS1’s EPC “suite” of standards, with focus on increasing inventory scanning performance and efficiency with flexibility of parameters for diverse application requirements and harmonisation of the EPC Gen2 with ISO/IEC 18000-63 through the optimisation of the Gen2 air interface command set based on implementation lessons from the field.

Deliverable/Objective
Updates to
• EPC/RFID UHF air interface protocol Gen2 v3.0
• EPC/RFID Gen2 v3.0 Conformance Requirements

Company participation

<table>
<thead>
<tr>
<th>Solution Providers</th>
<th>Actual roster</th>
<th>Required roster</th>
<th>Minimum votes</th>
</tr>
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<tbody>
<tr>
<td>Mo(s)</td>
<td>13</td>
<td>3</td>
<td>2</td>
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<tr>
<td>End Users</td>
<td>6</td>
<td>0</td>
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<td>Other</td>
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Stakeholders

- Sponsor(s): Robert BEIDEMAN (GS1 GO)
- SDL: J. John RYU (GS1 GO)
- CE/Sol Liaison: Claude TETELIN (GS1 GO)
- SME: Claude TETELIN and Craig Alan REPEC (GS1 GO)
- AG Liaison: Eugen SEHORZ (GS1 Austria)
- Chairs: Josef PREISHUBER-PFLÜGL (CISC) Tom FREDERICK (Clairvoyant)

Completed last 30 days
• Motioned BRAD to community review
• Draft responses to resolve community review comments

Next steps
• Resolve BRAD community review comments
• Motion BRAD to community eBallot

Risks and Issues
• Changed requirements eBallot from Oct to December.
• Working with comment submitter

Milestone deliverables
1. Project approved
   • Seated group
   April 26, 2021
2. Requirements
   • Com Review & eBallot
   Revised Dec 2021
3. Development
   • Com Review & eBallot
   June 2022
   • IP review
   • Ratification
4. Collateral Publication
   • GS1 website

Update for 1 December 2021

Legend
- On schedule
- Minor Risk/≈10% behind schedule
- Significant risk/10%+ behind schedule
- Complete
The main objective of UHF Gen2 MSWG is to optimize the air interface based on lessons from the field

- Increase interoperability between the different pieces of GS1’s Identify / Capture / Share portfolio
- Make RFID implementation and use easier
- Prevent proliferation of proprietary custom features

<table>
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<tr>
<th>Standards</th>
<th>Publication Date</th>
<th>Collateral</th>
<th>Publication Date</th>
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<tr>
<td>EPC/RFID Gen2 v3.0 Conformance Requirements</td>
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What business challenges are being solved

Project deliverables status
(completed documents are hyperlinked)

Legend
- G: On schedule
- Y: Minor Risk/≈10% behind schedule
- R: Significant risk/10%+ behind schedule
- C: Complete