

# GSMP EPC UHF Gen2 v3 Mission Specific Working Group (MSWG) WR – 20-319

**Update for**

21 September 2021

## Milestone deliverables



<p><b>Completed last 30 days</b></p> <ul style="list-style-type: none"> <li>Conducted 13 Sep I&amp;S Session</li> <li>Finalised capturing requirements by end users.</li> <li>Plan to complete BRAD</li> </ul>	<p><b>Next steps</b></p> <ul style="list-style-type: none"> <li>Complete BRAD</li> <li>Motion BRAD to community review</li> </ul>	<p><b>Risks and Issues</b></p> <ul style="list-style-type: none"> <li>None</li> </ul>																																
<p><b>Project Description</b></p> <p>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.</p> <p><b>Deliverable/Objective</b></p> <p>Updates to</p> <ul style="list-style-type: none"> <li>EPC/RFID UHF air interface protocol Gen2 v3.0</li> <li>EPC/RFID Gen2 v3.0 Conformance Requirements</li> </ul>	<p><b>Company participation</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>Actual roster</th> <th>Required roster</th> <th>Minimum votes</th> </tr> </thead> <tbody> <tr> <td>Solution Providers</td> <td>15</td> <td>5 (2 Readers, 2 Chip 1 System Integrator)</td> <td>3</td> </tr> <tr> <td>Mo(s)</td> <td>13</td> <td>3</td> <td>2</td> </tr> <tr> <td>End Users</td> <td>6</td> <td>0</td> <td>0</td> </tr> <tr> <td>Other</td> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		Actual roster	Required roster	Minimum votes	Solution Providers	15	5 (2 Readers, 2 Chip 1 System Integrator)	3	Mo(s)	13	3	2	End Users	6	0	0	Other	1	0	0	<p><b>Stakeholders</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Sponsor (s)</td> <td>Robert BEIDEMANN (GS1 GO)</td> </tr> <tr> <td>SDL</td> <td>J. John RYU (GS1 GO)</td> </tr> <tr> <td>CE/Sol Liaison</td> <td>Claude TETELIN (GS1 GO)</td> </tr> <tr> <td>SME</td> <td>Claude TETELIN and Craig Alan REPEC (GS1 GO)</td> </tr> <tr> <td>AG Liaison</td> <td>Eugen SEHORZ (GS1 Austria)</td> </tr> <tr> <td>Chairs</td> <td>Josef PREISHUBER-PFLÜGL (CISC) Tom FREDERICK (Clairvoyant)</td> </tr> </tbody> </table>	Sponsor (s)	Robert BEIDEMANN (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)
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Legend			
G	On schedule	Y	Minor Risk/~10% behind schedule
R	Significant risk/10%+ behind schedule	C	Complete

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## What business challenges are being solved

- 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

## Project deliverables status (completed documents are hyperlinked)

Standards	Publication Date	Collateral	Publication Date
<ul style="list-style-type: none"> <li>• EPC/RFID UHF air interface protocol Gen2 v3.0</li> <li>• EPC/RFID Gen2 v3.0 Conformance Requirements</li> </ul>	<ul style="list-style-type: none"> <li>• June 2022</li> <li>• TBD</li> </ul>	TBD	

**Legend**

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