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

Milestone deliverables

1. Project approved
April 26, 2021

→

2. Requirements
Dec 2021

→

3. Development
Mar 2023

→

4. Collateral Publication

- Seated group

- Com Review & eBallot

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- IP review
- Ratification

- GS1 website

Completed last 30 days
- Conducted sub-group meetings
- Completed project timeline
- Shared project plan

Next steps
- Continue sub-group meetings to accelerate development

Risks and Issues
- Original estimated delivery date was May 2022 and revised to March 2023 due to increase from 5 technical requirements to 12 and BRAD community review delay

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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

	Actual roster	Required roster	Minimum votes
Solution Providers	19	5 (2 Readers, 2 Chip 1 System Integrator)	3
Mo(s)	15	3	2
End Users	6	0	0
Other	3	0	0

Stakeholders

Sponsor(s)	Robert BEIDEMAN (GS1 GO) (not an OGSM)
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)

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
• EPC/RFID UHF air interface protocol Gen2 v3.0	• March 2023	TBD	
• EPC/RFID Gen2 v3.0 Conformance Requirements	• TBD		

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