



Global Standards Management Process

Modernisation of EPC – Call to Action

TDS / TDT 2.0 Mission Specific Work Group
EPC UHF “Gen2” v3 Mission Specific Work Group

Simplified encoding and optimised data capture to ease adoption of EPC/RFID

Across a growing number of sectors, there is enormous appetite to deploy EPC/RFID and broaden these implementations for diverse applications. These initiatives all share a growing need for simpler tag encoding syntax, as well as simplified capture of GS1 Keys and attribute data Application Identifiers on EPC/RFID tags.

Under the oversight of GS1’s GSMP, the Modernisation of EPC development effort will:

- Ensure consistency and scalability of implementations through **harmonised GS1 carrier** syntaxes
- Provide a **common industry direction for investments** to eliminate divergence and associated rework
- Enable solution providers to collaborate on topics of **global interoperability and standards conformance**

Two parallel work groups will develop technical revisions to modernise GS1’s EPC “suite” of standards. Both work groups share the EPC as a common denominator, but each has a distinct technical focus.

TDS/TDT 2.0 MSWG

Business Drivers: Increase native interoperability and ease of use and prevent the proliferation of proprietary systems

Scope: Simplify EPC binary encoding syntax to align with GS1 barcode syntax. Standards to update:

- EPC Tag Data Standard (TDS) 2.0
- EPC Tag Data Translation (TDT) standard 2.0

Who should participate?

- Users (product manufacturers & brand owners)
- EPC/RFID solution providers
- GS1 MOs

Suggested expertise

- GS1’s EPC Tag Data Standard (TDS)
- GS1 System Architecture, Architecture Principles

Timeline:

- Kick off call Wed., 26 May 2021 @ [GS1 Standards Week](#)
- Duration: 12 months; weekly 60-minute calls.

Questions? Craig Alan Repec craig.alan.repec@gs1.org

[Sign up here](#)

EPC UHF Gen2 v3 MSWG

Business Drivers: Increase inventory capture performance and efficiency with flexibility of parameters for diverse application requirements. Harmonise EPC Gen2 with ISO/IEC 18000-63.

Scope: Optimise the Gen2 air interface command set based on implementation lessons from the field. Standards to update:

- EPC/RFID UHF air interface protocol Gen2 v3.0
- EPC/RFID Gen2 v3.0 Conformance Requirements

Who should participate?

- UHF reader manufacturers
- UHF chip manufacturers
- EPC/RFID integrators

Suggested expertise

- EPC Gen2 operations (logical & physical layer)
- Implementation challenges from the field

Timeline:

- Kick off call Thurs., 27 May 2021 @ [GS1 Standards Week](#)
- Duration: 12 months; weekly 60-minute calls.

Questions? Claude Tetelin claudet.tetelin@gs1.org

[Sign up here](#)

Interested?

Stakeholders are encouraged to participate. Sign up for either or both via the links above!

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