



Global Standards Management Process

Tagged Item Performance Protocol (TIPP)

Mission-specific working group



What business challenges are being solved?

EPC-enabled Radio Frequency Identification (RFID) technology is said to be one of the most significant advancements in supply chain efficiency to date. The technology's ability to read tags without direct line of sight provides countless business process advantages and helps retailers and brands deliver on the ever-increasing demands of today's omni-channel retail environment.

However, there is still work that needs to be done. Brand owners and retailers are investing significant resources to define proprietary performance requirements for EPC/RFID tags, based on their products and supply chains. Similarly, they are forced to develop customised test methods to verify tagged item performance before bringing their products to market, which drives up costs. Suppliers must now evaluate these customer-specific performance requirements and translate them into tag selection and placement specifications, which leads to significant operational costs and wasted time for all supply chain stakeholders.

This lack of standardisation can also cause delays in the RFID deployment process—both for businesses and for industry.

The TIPP standard will address standardised EPC/RFID tagged item performance grading and testing methods, and work to reduce the cost of EPC/RFID implementations, while increasing speed-to-market. This, in turn, will lead to an increase in EPC-enabled RFID deployments throughout the supply chain.

Background

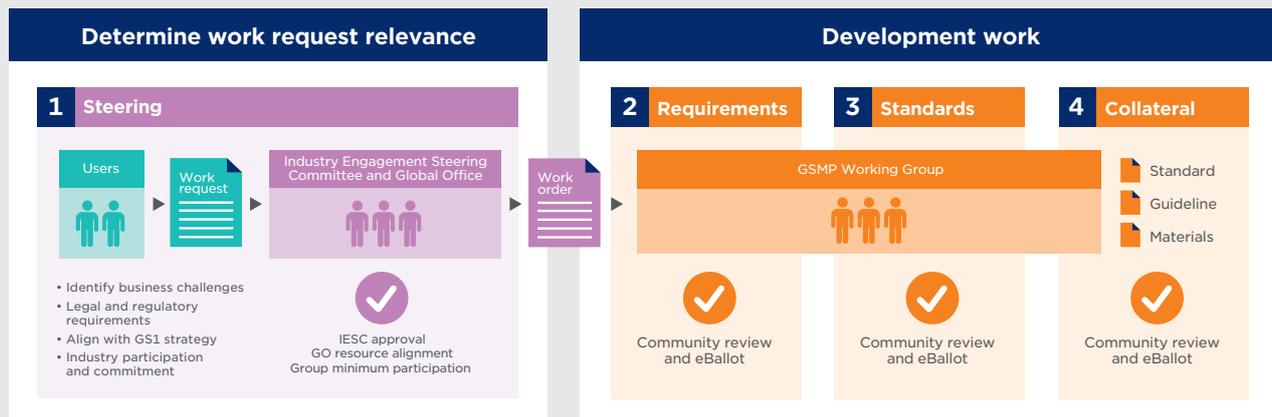
Item-level EPC-enabled RFID is delivering true inventory visibility and efficiency across the retail supply chain—from source to store. This level of product tracking accuracy plays a critical role in creating a seamless, omni-channel customer experience by enabling retailers to:

- Increase inventory accuracy (up to 95%)
- Decrease out-of-stocks (up to 50%)
- Improve loss detection

Brand owners are also implementing EPC/RFID, gaining inventory visibility, facilitating product traceability and authentication, improving receiving and order fulfilment performance and improving margins.

The GSMP is a community-based forum for businesses facing similar problems to work together and develop standards-based solutions to address them. Active GSMP participants represent industries ranging from retail and consumer goods to fresh foods, healthcare, transport and logistics, government and more—a healthy mix of business and technical people from nearly sixty countries.

4-step consensus-driven process



Working group objectives

The objective of the Tagged Item Performance Protocol (TIPP) working group is to develop a standardised tag performance grading and verification framework. This framework will enable retailers to more easily define tag performance requirements and allow supply chain stakeholders to independently verify performance using standard test methods.

Why is this work needed?

Standardisation will reduce tagged item performance verification costs and increase readability of tags in diverse circumstances, enabling more apparel brand owners and retailers to adopt EPC/RFID technology.

Standards impacted

TIPP will be a new standard, based on [GS1 EPC/RFID standards](#). It will include documents that define the tagged item performance grading and verification test configurations and protocols. The starting point will be the [Tagged Item Performance Protocol](#) developed by the GS1 US item-level RFID working group.

Who should join this working group?

- Consumer product brand owners
- Consumer product manufacturers, especially clothing and apparel
- Multi-brand and department store retailers
- RFID hardware and software vendors and technology providers
- RFID implementation experts

How will the working group operate?

This working group will follow GS1's improved standards development process:

- Define business requirements—collect input from the industry and solution provider communities about what the standards should include.
- Develop standards—experts draft standards and present them to industry and solution providers for confirmation and approval.
- Ratification—standards are approved by the standards development community, ratified by GS1 governance bodies and published.

Next steps

Get more information and join the group

Visit www.gs1.org/standards-development-working-groups#TIPP

Ask a question

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