

Digital Signatures

Mission Specific Work Group (MSWG)

Project Lead: J. John RYU (GS1 GO)

Report Date: May 2024
Expected project close: Q2 2024

Business purpose

Counterfeiting is a growing problem damaging the global economy. More effective enforcement on national and regional level is needed. Various approaches and different emerging solutions are being proposed to combat counterfeiting, diversion and illicit trade. Divergent approaches and solutions pose a risk of adding complexity and cost to the supply chain and they also conflict with GS1 standards and standards-based implementations

Key issues and risks

Accomplishments this period

- Final GS1 expert call completed to update TIG for internal alignment and posting for community review
- May 2nd motioned to Community Review

Upcoming period activities

- Deliverable #4 Technical Implementation Guideline (TIG)
 - Community Review May 3- 17
 - IP Review May 3 – June 3
 - Resolve community review comments to prepare for eBallot



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Overall Status

#	Standard/guideline Milestones	Due Date	Notes	#	Collateral milestones	Due date	Notes
1	Phase I - Open Standard Solution WR 21-240: GS1 Web Vocabulary gs1:AuthenticationDetails	Q4 2021	See https://gs1.org/voc/AuthenticityDetails	1	Edited Digital Signature Demo Video	Oct 2021	
2	Phase I - WR 21-240 Extra Link Type for JSON Web Signature	Q4 2021	See https://gs1.org/voc/jws	2	Demonstration Tool recording	Jul 2021	
3	WR 21-307: Application Identifiers for ISO/IEC 20248 data structure	End of April 2023	application standard See sections 2.6.16 AI 8030 See Section 3.9.18	3	Signature session recording for education and awareness	May 2021	
4	Deliverable 4 WR 23-172 Technical Implementation Guideline	Q2 2024	Timeline has been revised from Q1 2024 to Q2 2024	4	Collateral Material	None	After further analysis regarding collateral material, Technical Implementation Guideline will be developed within GSMP.

Stakeholders

Sponsor	Robert BEIDEMAN (GS1 GO)
SDL	J. John RYU (GS1 GO)
CE/Sol Liaison	Patrik JONASSON (GS1 GO), Nellie GAYLE (GS1 GO)
SME	Mark HARRISON, Peta DING, Nadi GRAY (GS1 GO)
AG Liaison	Kevin DEAN (GS1 Canada)
Chairs	Bertus PRETORIUS (Tönnjes)

Project Scope, Resources and Timeline Change Management

- Project approval date 5/2020
- 2022-07-21 project change notification was submitted with July Scorecard to change the delivery date of deliverable #3 to Q3 2022 from Q2 2022
- 2022-08-18 project change notification was submitted with Sep Scorecard to change the delivery date of deliverable #3 to Q4 2022 from Q3 2022
- 2023-02-10 project change notification was submitted with Feb scorecard
 - Change the delivery date of deliverable #3 ISO/IEC 2024 to end of April '23 from Q4'
- 2023-04-03 project change notification was submitted with April Scorecard
 - Deliverable #4 Technical Implementation Guideline timeline to July '23 from April '23
- 2023-05-04 project change notification was submitted with May Scorecard
 - Deliverable #3 WR 21-307 timeline to June '23 from April '23
- 2023-11-16 project change notification was submitted with Nov Scorecard
 - Deliverable #4 WR 21-172 timeline to Q1 '24 from Nov '23
- 2024-03-project change notification was submitted with Feb Scorecard
 - Deliverable #4 WR 21-172 timeline to Q2 '24 from Q1 '24