Digital Signatures
Mission Specific Work Group (MSWG)
Project Lead: J. John RYU (GS1 GO)

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.

Accomplishments this period
• Technical Implementation Guideline
• Community review May 3-17
  ➢ Core team proposed resolution for community review comments from Aruna (GS1 Australia), Ilka (GS1 Germany) and Wayne (GS1 Hong Kong)
  ➢ Conducted first call to resolve community review comments

Key issues and risks
• None

Upcoming period activities
• Technical Implementation Guideline (TIG)
  ➢ IP Review May 3 – June 3
  ➢ Motion to eBallot on June 5th
  ➢ eBallot June 6-14 eBallot
  ➢ Ratification June 17-21
  ➢ Publications June 24-28
• Close out group

Report Date: June 2024
Expected project close: Q2 2024

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# 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  
Edited Digital Signature Demo Video  
Oct 2021 |  |  | 1. Collateral milestones |  | |
2. Phase I - WR 21-240 Extra Link Type for JSON Web Signature  
Q4 2021  
See https://gs1.org/voc/jws  
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  
Signature session recording for education and awareness  
May 2021 |  |  | 3. Collateral milestones |  | |
Q2 2024  
Timeline has been revised from Q1 2024 to Q2 2024  
|  |  | 4. Collateral milestones | None | After further analysis regarding collateral material, Technical Implementation Guideline will be developed within GSMP. |

## Stakeholders

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>Sponsor</td>
<td>Robert BEIDEMAN (GS1 GO)</td>
</tr>
<tr>
<td>SDL</td>
<td>J. John RYU (GS1 GO)</td>
</tr>
<tr>
<td>CE/Sol Liaison</td>
<td>Patrik JONASSON (GS1 GO), Nellie GAYLE (GS1 GO)</td>
</tr>
<tr>
<td>SME</td>
<td>Mark HARRISON, Peta DING, Nadi GRAY (GS1 GO)</td>
</tr>
<tr>
<td>AG Liaison</td>
<td>Kevin DEAN (GS1 Canada)</td>
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<tr>
<td>Chairs</td>
<td>Bertus PRETORIUS (Tönnjes)</td>
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## 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