



Peppol

The future is open

Proposed SMP 2.0 Work Group

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www.peppol.org

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Proposed Peppol SMP 2.0 Work Group

Agenda

- Background
- Goals
- Non-Goals
- Stakeholders

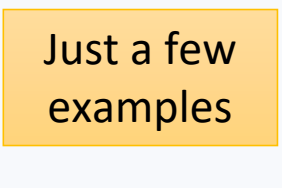
Background on why we are initiating this

- We are generally reluctant to implement breaking changes into the eDelivery network, given the impact to all SPs and the challenges in negotiating a pragmatic migration approach
- However, there are sufficient drivers to initiate some of those
- To get the most benefit from the investment, we are considering a set of changes together
- Peppol framework resilience, evolution, and risk mitigation
 - Some specifications are based on superseded standards
 - Security implications of those older approaches
 - Noting that this WG won't be changing the Peppol trust model or looking at end-to-end security
 - Potential barrier to adoption by some large entities
 - Increasing minimum security requirements by large businesses and government agencies
- Alignment with other similar frameworks
 - Prerequisite to any interoperability design
 - E.g. EESPA and BPC use a different SMP standard

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Background

- Peppol maintains its original SMP specification, dating back to 2010
 - No significant changes since then
- It contains elements and parameters that are out of date and even considered insecure (SHA-1, forcing to http etc.)
- Additional business requirements came up
 - Better support for Participant Migration
 - Uptime checks
 - Identify the SMP owner
- By upgrading the Peppol SMP specification we have the possibility to align with other networks



Just a few examples

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Proposed Goals

1. Developing an **SMP 2.0 specification draft**
 - based on the [OASIS BDXR SMP v2.0](#) specification
2. Developing an updated **SML 2.0 specification draft**
 - based on the [OASIS BDXR BDXL v1.0](#) specification
 - to use the NAPTR based DNS resolution
 - allows for accessing SMP instances with TLS
3. Developing an updated **Peppol Policy for use of Identifiers**
 - Follow-up actions only – no integral changes
4. Developing an updated **Peppol Directory specification**
 - Follow-up actions only – no integral changes
5. Provide a **plan for a migration**

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Proposed Non-goals / out of scope

- Splitting the responsibility of Document Types for a Service Group between different owners
- Mandating internal mechanisms and models of an SMP
- Changing the Peppol SML architectural model
- Changing the Peppol SML hosting model
- Changing the overall Peppol Trust Model (using a single PKI)
- Design an architectural model to represent End-to-End security in the Peppol network

Just out of
scope for
this project

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Proposed Stakeholders

- WG owner: eDEC
- Proposed leader: Philip Helger
- Initial key stakeholders
 - Service Providers
 - OpenPeppol Coordinating Committee
 - OpenPeppol Operating Office
 - European Commission – operator of SMK/SML

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Proposed Timeline

- An internal OpenPeppol team has
 - researched current state and comparison with published standards
 - will start preliminary drafting of changes to some specifications
- Will be seeking interested SPs to collaborate in completing the specifications
 - The kick off date will be announced, once the WG mandate was given
 - The normal invitation to participate will be issued to Service Providers
 - As per normal change management processes, draft documentation will issue to the full community for review
- Likely to run for approximately (!) 8 months
- Migration strategy and implementation timeframes will be defined by the WG
 - And will be part of the community review
- Changes will impact all SMPs and APs, so please stay abreast, and actively engage in the review processes



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