



OpenPEPPOL CC F2F meetings – Vienna May 9th and 10th, 2017. AS4 Transition. Joint TICCC/PoCC session

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Agenda

1. The LoU between EC-CEF and OpenPEPPOL about transition and migration to AS4 - Niels
2. OpenPEPPOL AS4 workgroup - mandate and background. - Niels
3. The eSENS AS4 Taskforce and the take over from CEF with an eDelivery AS4 taskforce testing activity. - Niels
4. Status on the agreed migration from the LoU - The dashboard and summary from Steering group meeting Wednesday 3th May - Sander
5. Status and more details on the OpenPEPPOL AS4 group, including details about the coming AS4 profile etc. - Sander.

New Agreement between the European Commission and OpenPEPPOL, 19 September 2016, I

In a Letter of Understanding (LoU) signed between the Commission and OpenPEPPOL, the parties agree a plan for the transition from AS2 to AS4 in the PEPPOL profile of CEF eDelivery.

The adoption of AS4 is part of a well-defined, step-by-step transition process. This approach has been adopted to minimise the risks associated with the adoption of a new technology.



Mr Angelo Tosetti signing on behalf of the European Commission and Mr André Hoddevik on behalf of OpenPEPPOL AISBL

AS4 Transition Agreement between the European Commission and OpenPEPPOL, II

As a first step, AS4 will be introduced as an optional protocol (**Phase In**). Based on this LoU, OpenPEPPOL has initiated the start of the Phase In step.

If and when the following conditions stated by OpenPEPPOL are met, then AS4 will be made mandatory and AS2 be made optional (**Transition**), these conditions are listed below:

OpenPEPPOL has opened, in cooperation with e-SENS, **AS4-testing in the PEPPOL eDelivery network**. This includes issuing of test certificates, integration with SML/SMP and PKI, use of pilot document identifiers and support for these processes. In addition, a number of OpenPEPPOL members have contributed to the testing of AS4 within the e-SENS consortium.

Phase	Step	CEF	Timeline	Protocol LCM Step	Associated Criteria
Start of Phase In	T1	Work Programme 2016	Q4 2016	AS4 adopted as optional protocol	3 a
Phase in	T2		Q4 2017	Announcement of T3	1 a-c, 2 a-b, 3 b-c, 5 a-d
Transition	T3	<ul style="list-style-type: none"> Work Programme 2017 Work Programme 2018 	T2 + 18 (*) months if conditions are met	AS4 Mandatory in the PEPPOL eDelivery network – Transition Target Date	2 c, 4 a-d
Phase Out	T4		TBD	AS2 Phase-out	4e

AS4 Transition Agreement between the European Commission and OpenPEPPOL, III

- A common steering group between EC and OpenPEPPOL are following the transition. Recent meeting 3th May 2017.
- Following the OpenPEPPOL Management Committee meeting on 8 February 2017, the European Commission and OpenPEPPOL **are happy to announce that AS4 is now an optional protocol for message exchange in the PEPPOL eDelivery Network.**
- The decision is made in principle, but we don't have the PEPPOL profile of AS4 ready yet.
- AS4 is a mandatory protocol in Pre-award.

CEF : <https://ec.europa.eu/cefdigital/wiki/display/EDELCOMMUNITY/eDelivery+User+Community>

- Mandate approval is on the agenda for next MC meeting.
- The subject of the WG is the transition to the AS4 messaging protocol in the PEPPOL eDelivery Network.
- The scope of the WG is defined by the criteria defined in the LoU with EC. The WG will perform the activities needed to evaluate the criteria which includes providing advice to the MC, further detailing of the criteria and performing activities required to be able to evaluate the criteria.

OpenPEPPOL AS4 workgroup - mandate and background, II

Deliverables: The WG will create, at least, the following deliverables, but may decide others are needed as well:

- Monthly updates to the MC on the status of the AS4 transition.
- Detailed description of the criteria given in the LoU including measurable objectives and a list of activities that need to be executed to fulfil the criteria. This includes an analysis of the current and expected requirements on the message exchanged executed in the PeDN.
- Reports on the performed activities to fulfil the criteria.
- A Request for Change (RFC) to include AS4 as an optional messaging protocol in the PEPPOL eDelivery Network. The work must include a PEPPOL AS4 profile describing how to use AS4 in the PEPPOL eDelivery Network (PeDN). The profile should include specifications of how to bind SMP and AS4 together and the correct identifiers. Also the RFC must describe how the agreements/policies must be changes to ensure that an AP offering AS4 also offers AS2 (=> multiple SMP registrations).

OpenPEPPOL AS4 workgroup - mandate and background, III

Status of the AS4 workgroup is as follows:

- 12 people have shown interest in the workgroup and receive all emails;
- There have been six workgroup meetings. Participation varies, there are 3 regular participants;
- Currently the workgroup is analyzing which features of the AS4 protocol are needed in the PEPPOL eDelivery Network. The e-SENS AS4 profile still has some options where choices must be made when implementing it in a domain. For example how to use it in a 4-corner model with dynamic configuration of Access Points based on SMP registrations. The target of the PEPPOL AS4 profile is to clearly define all parameters.
- The workgroup has also started documents to describe how to execute the comparable testing as described in the LoU. This testing consists of a technical and more organisational part. The first is comparing performance of the AS2 versus the AS4 protocol. The second is comparing the difference in implementing an Access Point based on either protocol.

Mandate & Mission Statement for the AS4 Taskforce, based on mutual agreement between eSENS and EC- CEF.

- The mission of the e-SENS Y4 e-Delivery Task Force will be to review and continue the work done in 2015 and 2016 within the e-Delivery AS4 interoperability Workgroup, working towards the vision of robust, production-ready e-Delivery infrastructure in as many domains as possible and with as many solutions as possible. The e-Delivery Task Force shall complement the activities in the “e-Delivery group” chaired by the EC. A close collaboration between the Task Force and the EC is foreseen.

The main objectives and activities will be to:

- Work together on specific technical issues that ensure the suitability and maturity of AS4-based eDelivery solutions, integrated with other ABBs required for operations in particular domains.
- Continue the testing already done in e-SENS on aspects like large files, multiple files, interoperability of different implementations on Java and .net, etc. A testing plan will be produced at the beginning outlining the activities of the period February 2017 – April 2017.
- Document test, setup and outline outstanding issues.

The eSENS AS4 Taskforce and the take over from CEF with an eDelivery AS4 taskforce testing activity after eSENS close down.



Status:

The eSENS AS4 taskforce is now closed as part of the eSENS close down. The work has been reported and documented as part of the eSENS reporting.

From 1th April CEF has initiated a continued work with the same group and a work plan that take over where the eSENS AS4 taskforce ended.