



An introduction to PEPPOL, its use with GS1 standards, and what it means in operational practice in the NHS

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#GS1UDIForum

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How Peppol works

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www.peppol.eu

Peppol is owned by OpenPeppol AISBL

About Peppol and OpenPeppol

Peppol is what we do

We integrate business processes by standardising the way information is structured and exchanged. **Peppol** is the name of the Network and Business Interoperability Specifications that we provide, as part of the comprehensive Peppol Interoperability Framework, which includes legal agreements, governance and compliance measures

OpenPeppol is who we are

OpenPeppol was established in 2012 following a large-scale pilot co-funded by the European Commission and a consortium of 18 government entities to enable eInvoicing and cross-border public procurement. We are a not-for-profit, democratic, member-led international association, consisting of 464 public and private sector members from 39 countries (as at April 2021).

Peppol stakeholders

End Users

- also sometimes called Peppol *participants*, they are
- buyers and sellers that send and receive business documents
- End Users can be members of OpenPeppol, but are not required to be

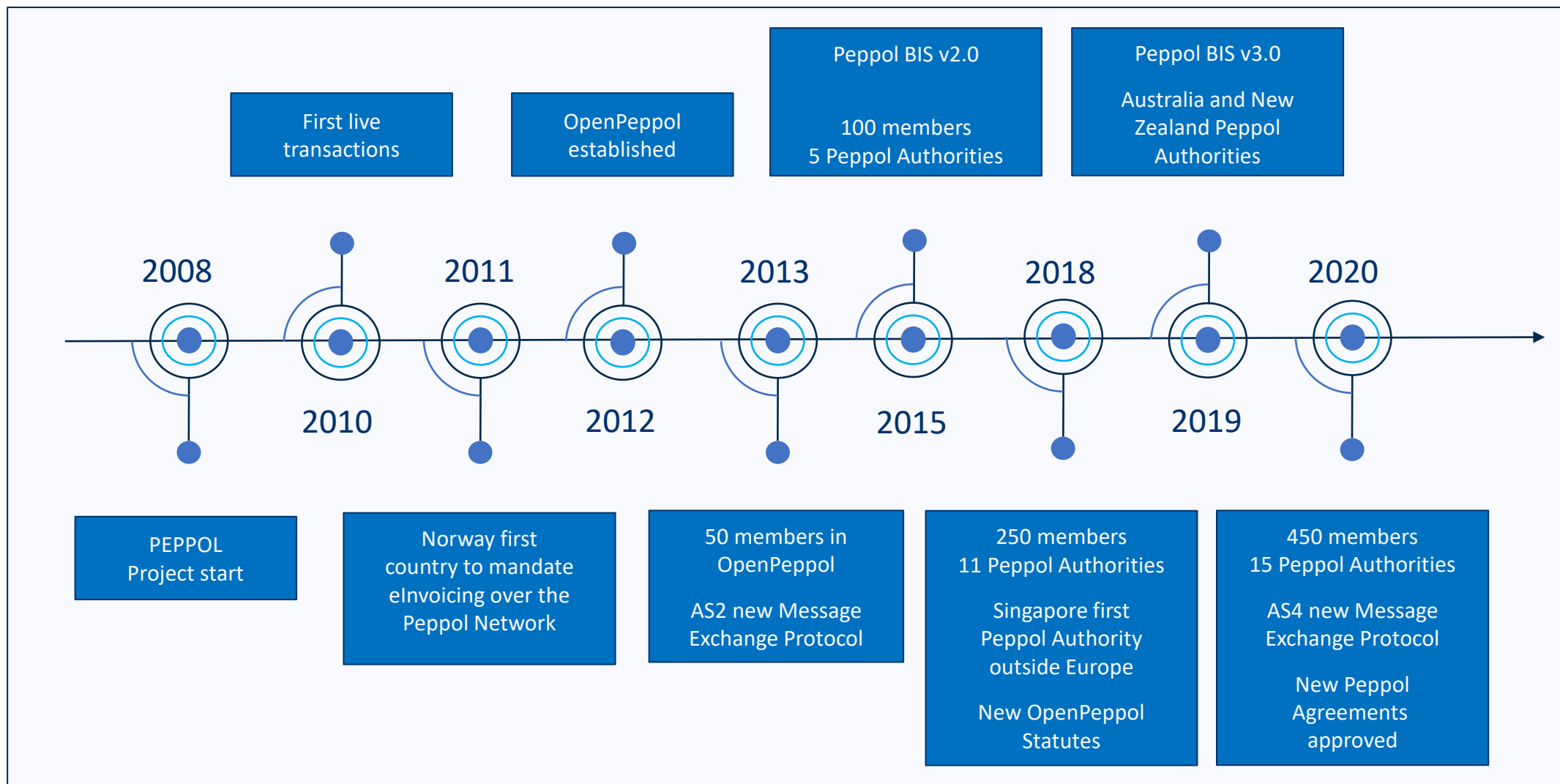
Service Providers

- also sometimes called Peppol *Access Points* or *SMP providers*
- they enable business process interoperability between End Users over the Peppol Network and through use of Peppol Business Interoperability Specifications (Peppol BIS)
- Service Providers are required to be members of OpenPeppol

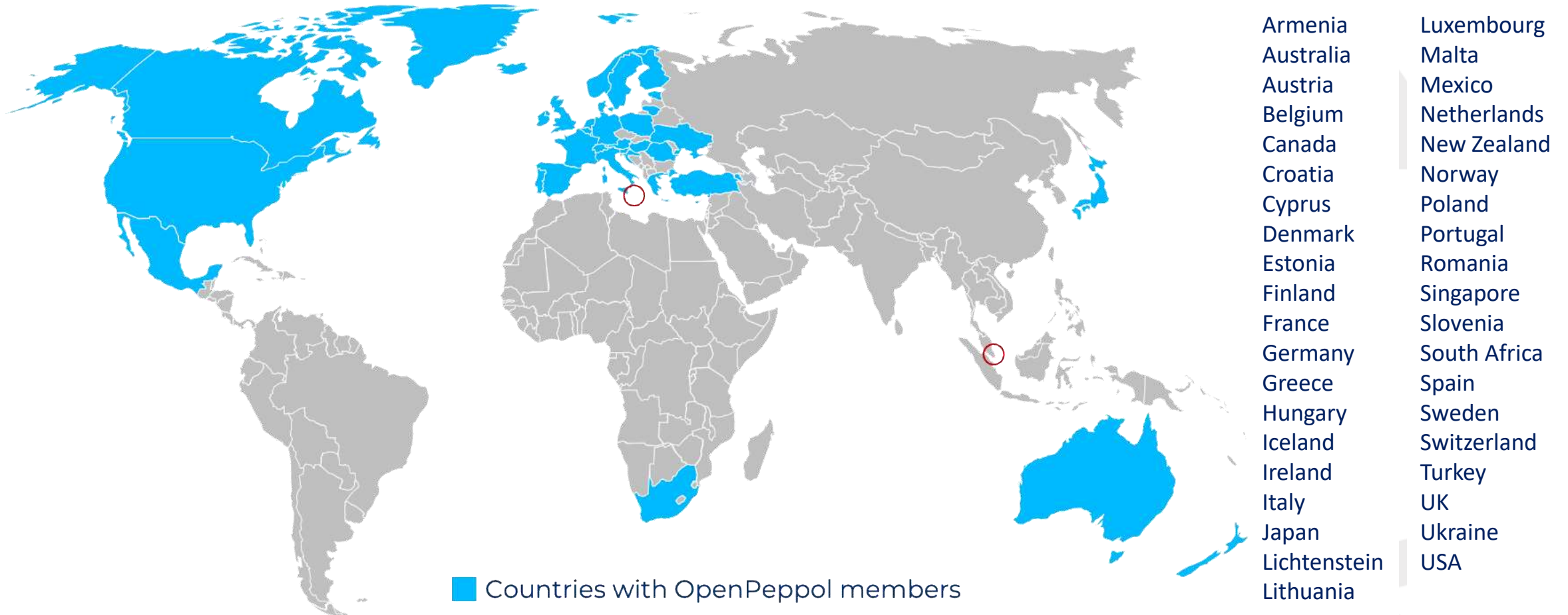
Peppol Authorities

- drive the adoption of Peppol in a jurisdiction
- they are currently all government departments or agencies
- Peppol Authorities are required to be members of OpenPeppol

Peppol evolution



39 countries with OpenPeppol members



The three pillars of Peppol

The Peppol Business Interoperability Specifications (BIS)

- the document content and format to be exchanged between Service Providers
- OpenPeppol maintains, refines and develops the Peppol BIS through a release cycle to accommodate additional market requirements

The Peppol Network

- the network architecture utilised to allow Peppol-certified Service Providers to send and receive Peppol BIS documents on behalf of their End User customers

The Peppol Governance arrangements

- a set of legal agreements and policies between Peppol stakeholders that define the rules under which Peppol activity is undertaken

Peppol documents (based on ISO/IEC 19845 Universal Business Language)

Peppol documents in production

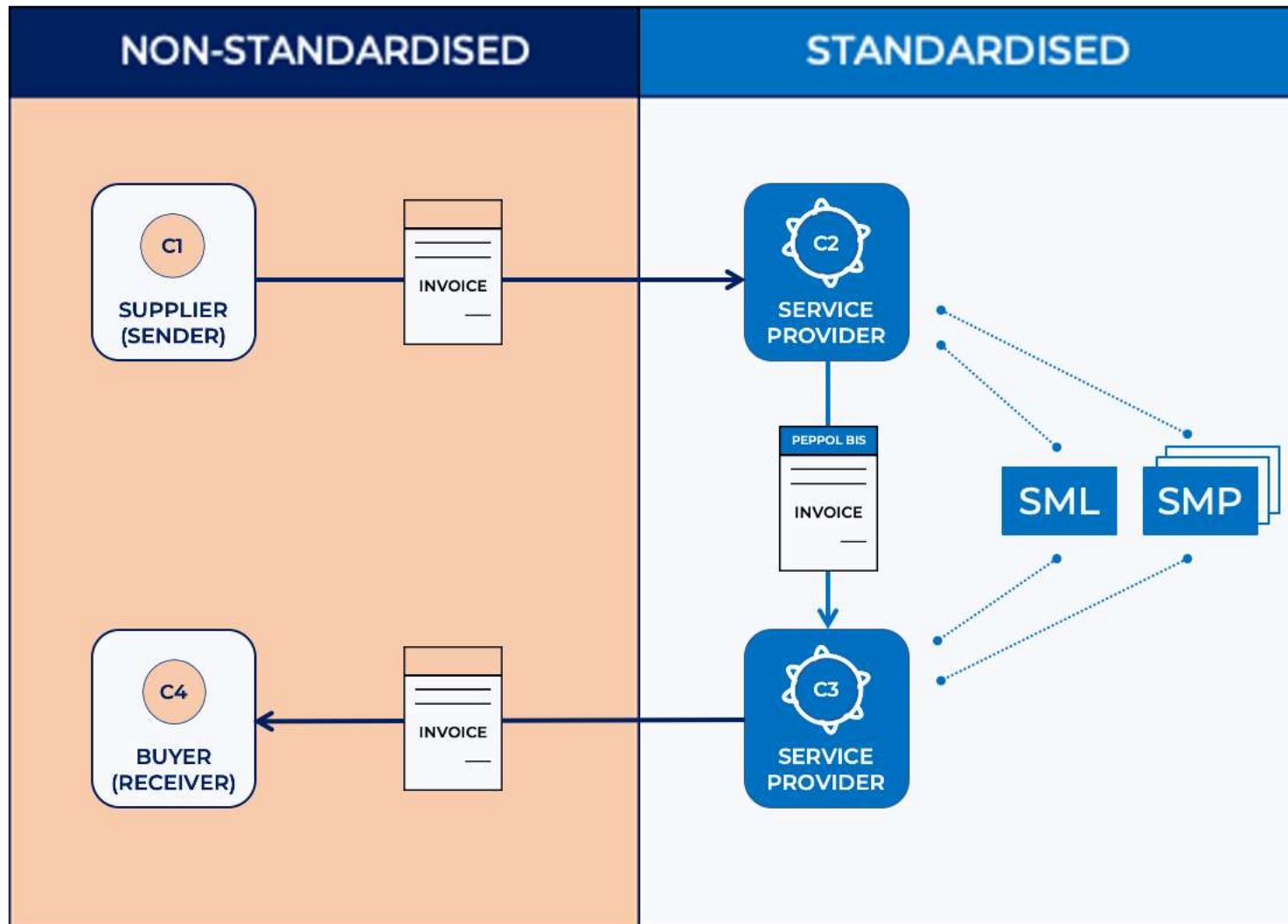
Procurement, pre-award

- procurement procedure subscription
- procurement document access
- tender submission
- ESPD request and response
- pre-award catalogue

Procurement, post-award

- invoice and invoice response
- credit note
- order and order response
- order agreement
- despatch advice
- message-level response
- catalogue only, with response
- catalogue only, without response
- punch out

Peppol Network (four-corner model)

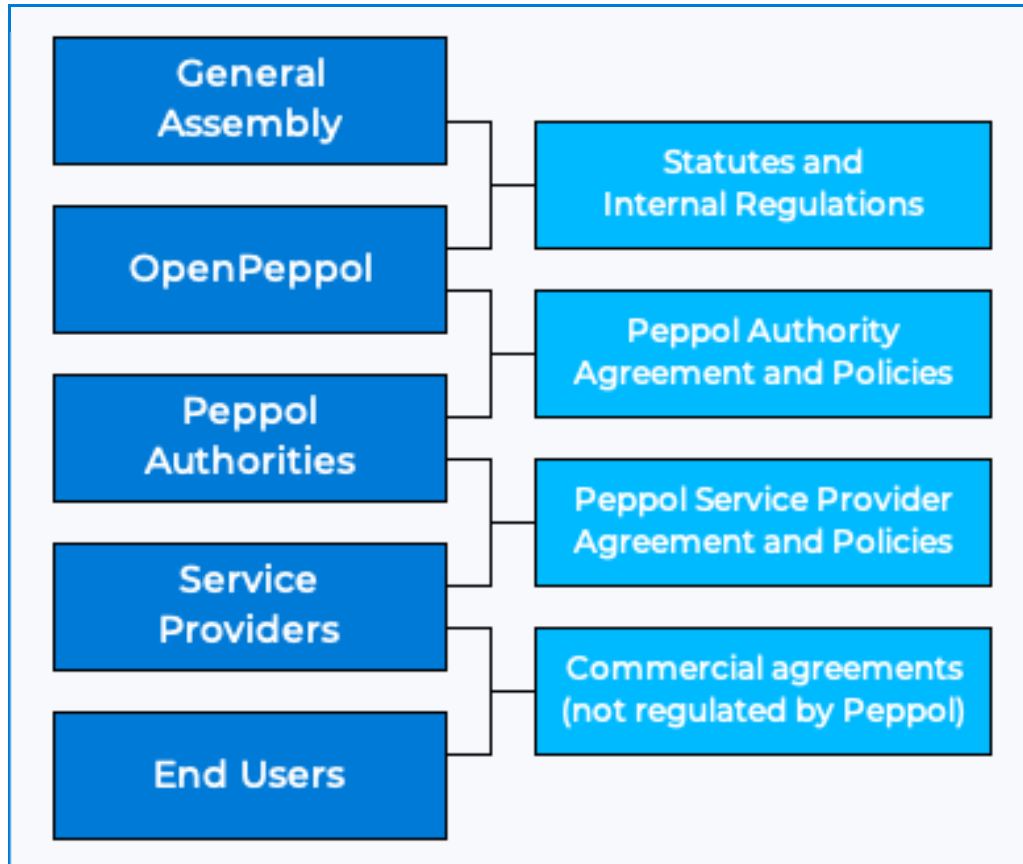


Providing interoperability utilising Peppol BIS and the Peppol Network for the addressing and secure exchange of business documents, Peppol provides a ready-to-use, scalable, both domestic and cross border, four-corner model, utilising a market of private sector service providers that are connected to sending and receiving organisations.

Key to the model is a central address registry providing dynamic discovery of participants (SML), supported by centralised or distributed local capability look-up services (SMP)

C2 connects to the SML to look up the address of the SMP used by C3, and then connects to the SMP used by C3 to look up the capabilities of the receiver

OpenPeppol governance – simplified



OpenPeppol AISBL is a not-for-profit international association is based in Brussels and is established under Belgian law

OpenPeppol operates under a set of Statutes that are approved at the General Assembly by voting members of the Association and Internal Regulations approved by the Managing Committee

Each Peppol Authority operates under a standard bilateral legal agreement with OpenPeppol

Each Service Providers operates under a standard bilateral agreement with a Peppol Authority

Peppol services are provided to End Users under a commercial agreement with a Service Provider of their choice

Getting started in Peppol – Service Providers

- Service Providers
 - must become members of OpenPeppol
 - participate in the Service Provider Stakeholder Community
 - participate in relevant Domain Communities
 - may submit their candidacy for elected positions in the Peppol organisation
 - participation enables Service Providers to influence the development of Peppol
- applicants must complete conformance testing and pass due diligence processes operated by OpenPeppol and the relevant Peppol Authority
- organisations interested in becoming a Peppol Service Provider should contact OpenPeppol to request a membership application form (info@peppol.eu)

Getting started in Peppol – End Users

- End Users
 - select a Service Provider, who then onboard them to Peppol
 - are not required to become members of OpenPeppol
 - are welcome to become a member of OpenPeppol and participate in the Peppol End User stakeholder community
 - participation enables End Users to influence the development of Peppol
- A list of Peppol-certified Service Providers is available on the Peppol website <https://peppol.eu/who-is-who/peppol-certified-aps/>
- For membership enquiries, End Users should contact OpenPeppol (info@peppol.eu)

Further information

- eMail info@peppol.eu
- Website www.peppol.eu

