



# Peppol

The future is open

## OpenPEPPOL eDelivery WG

Enhanced Security

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[www.peppol.eu](http://www.peppol.eu)

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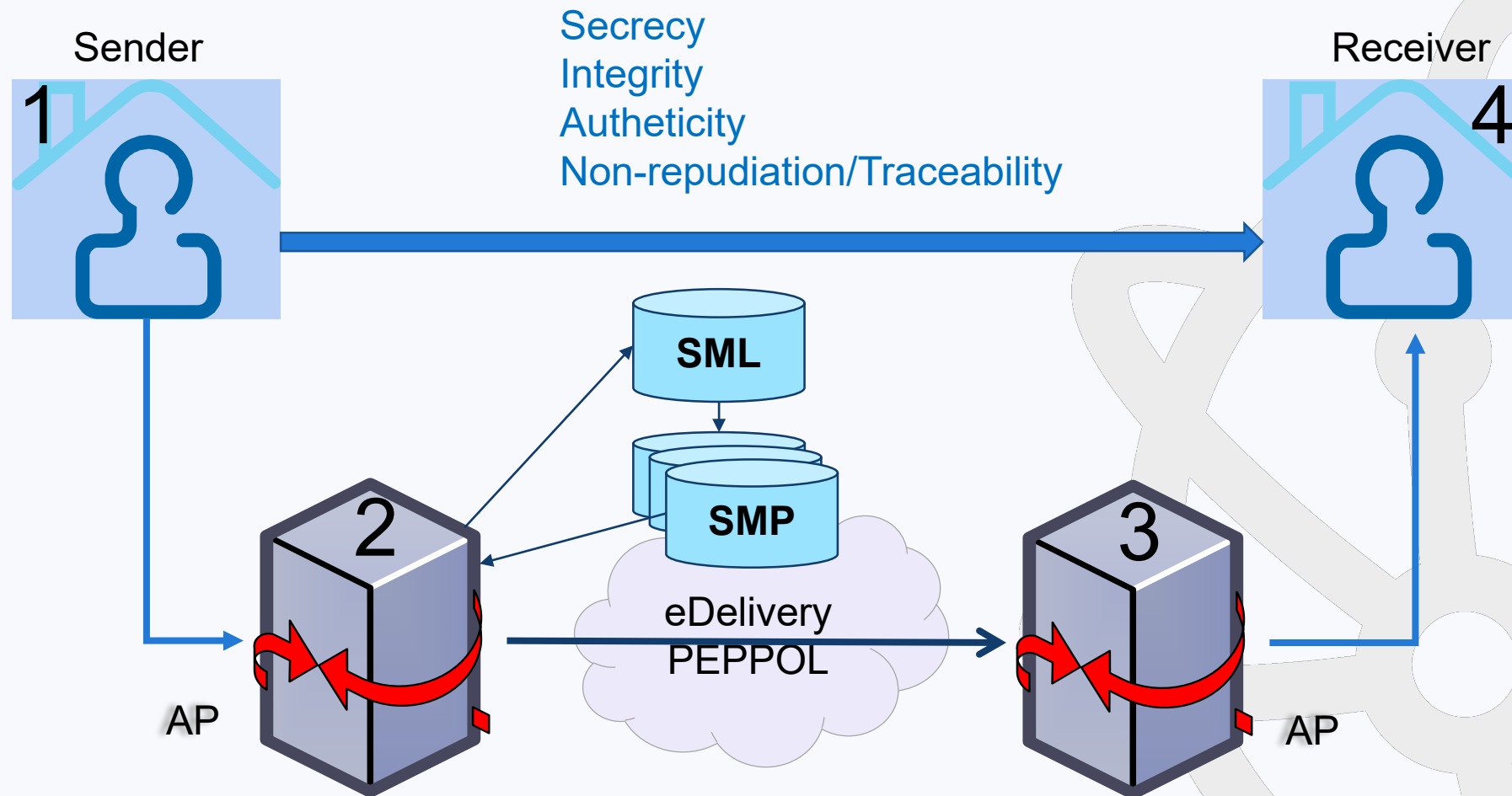
# Agenda

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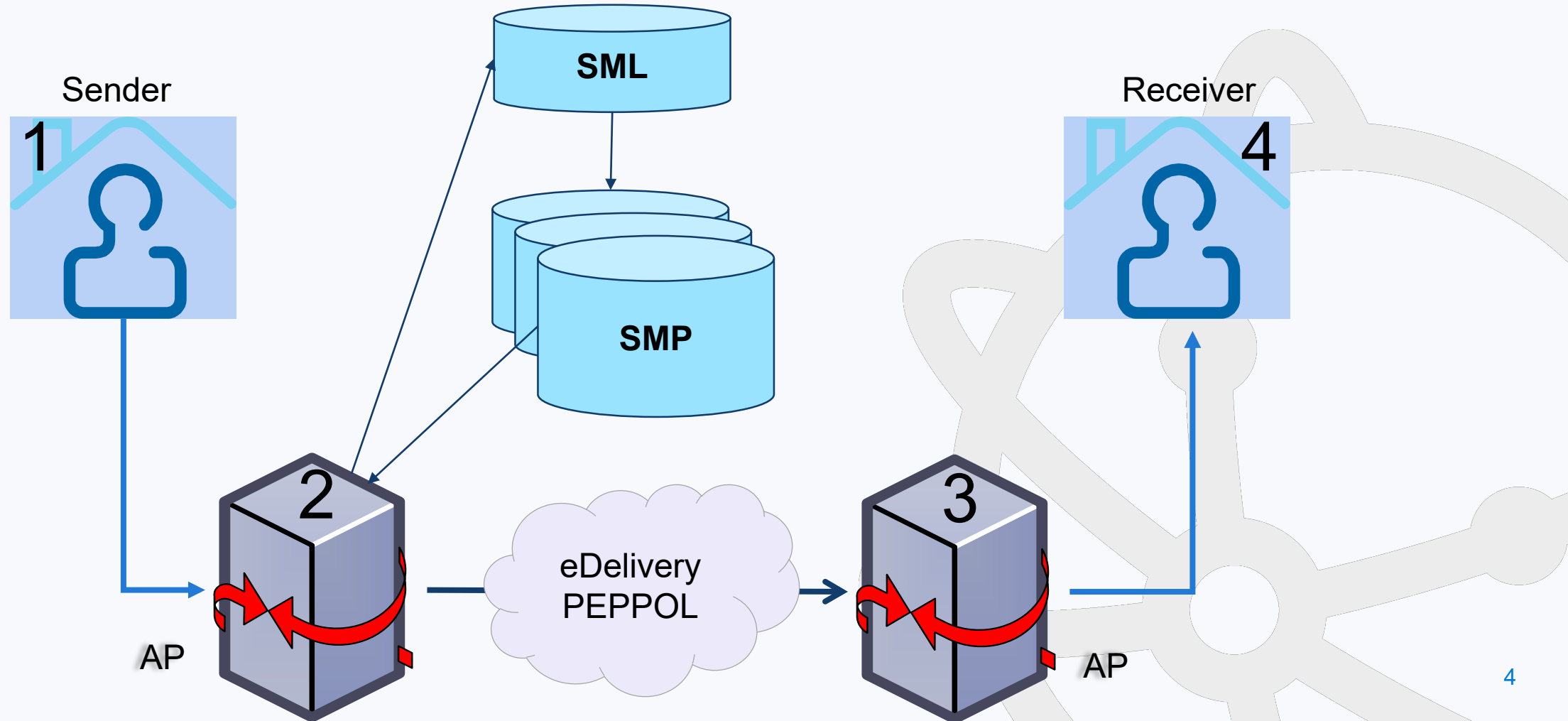
- Trust establishment in PEPPOL using LIGHTest Horizon 2020 project (Jerry Dimitriou and Andriana Prentza)
- Establish needs and use-cases for an Enhanced Security framework – Needs
- Specific (current) issues on eDelivery security



# End-to-End Security



# Specific Corner 2 to Corner 3 Security issues



# Use case

## Norwegian Payment Instructions

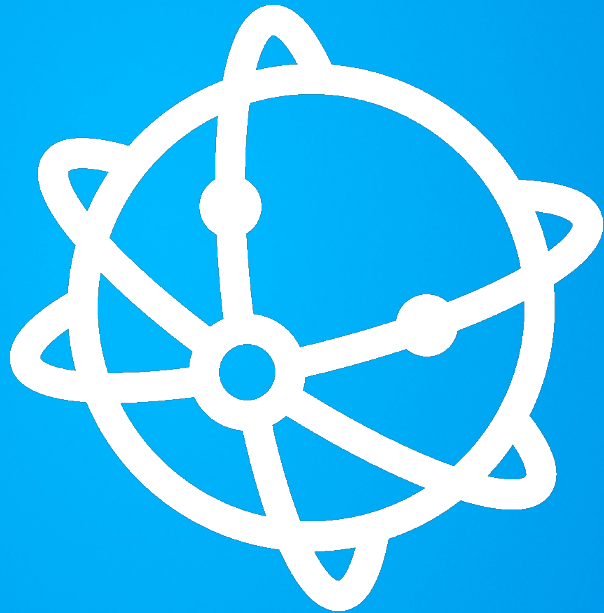
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- Public entities sending Payment instructions to Banks
- Needs of end-to-end
  - Secrecy
  - Integrity
  - Authenticity
  - Traceability

### Solution

- ISO20022
- PEPPOL eDelivery
- Certificates published in a BCL/BCP architecture





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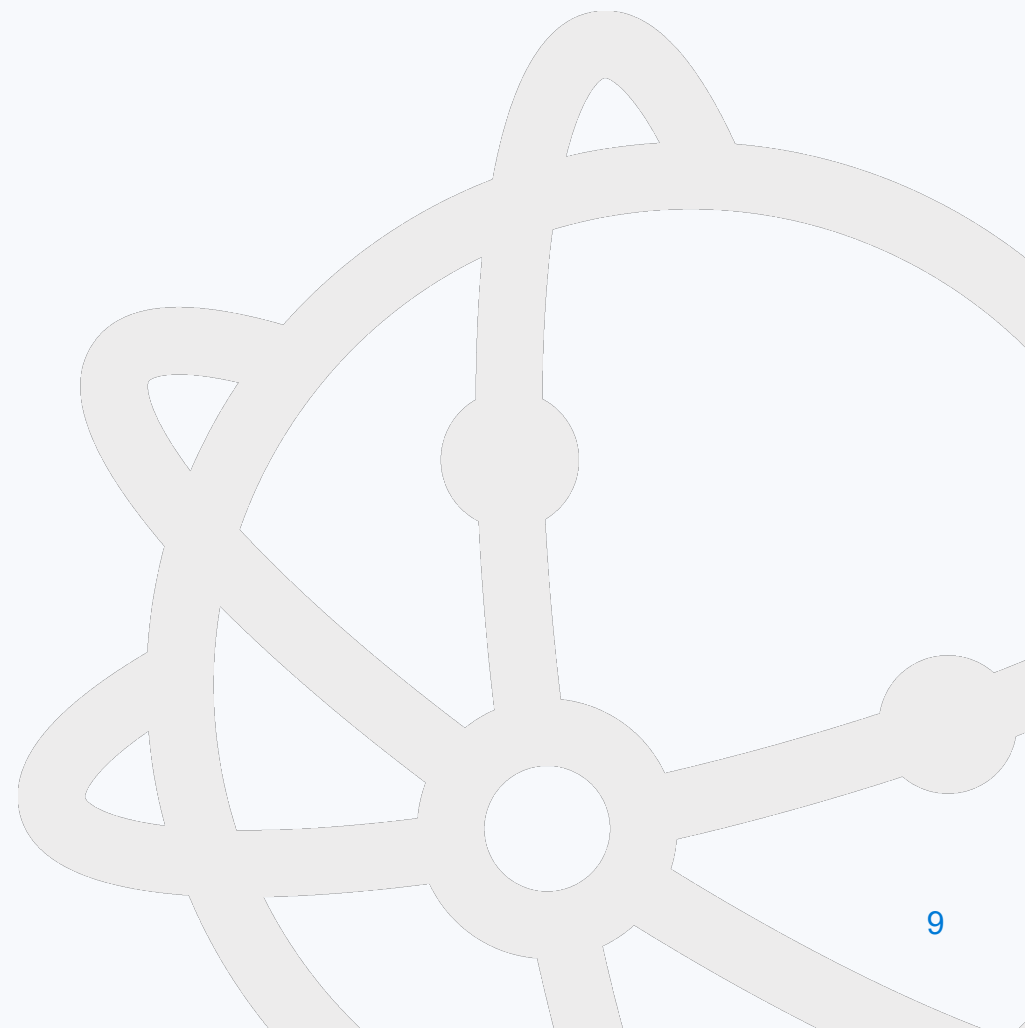
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# Statistics slide example

Slide subtitle example

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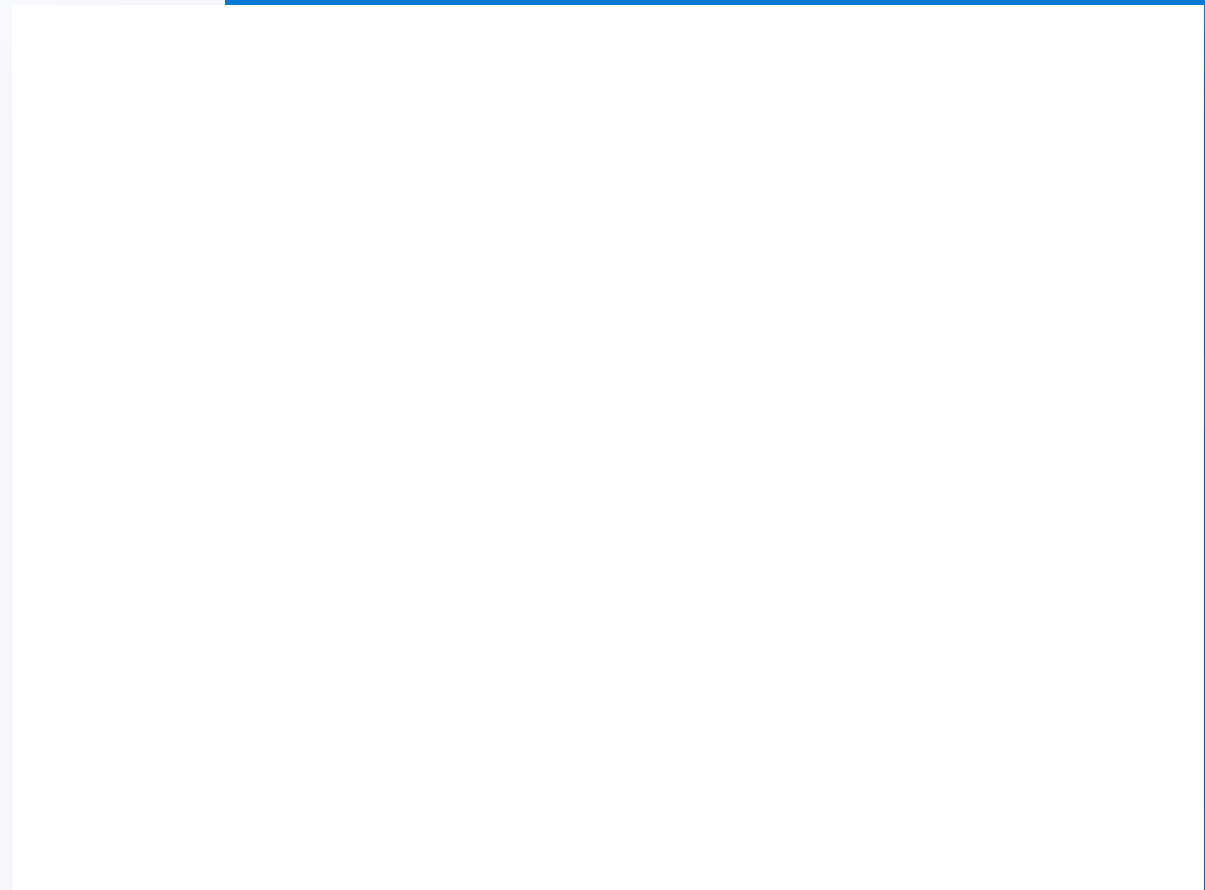
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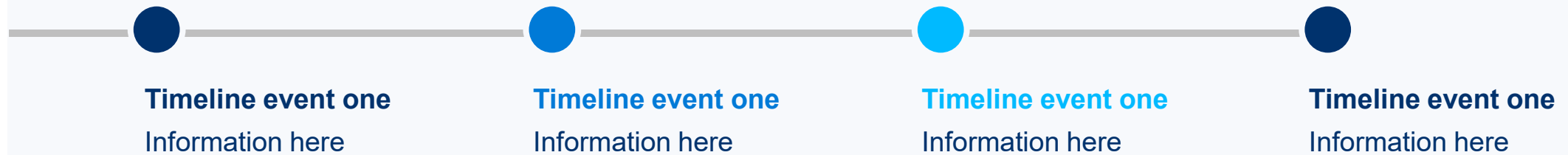
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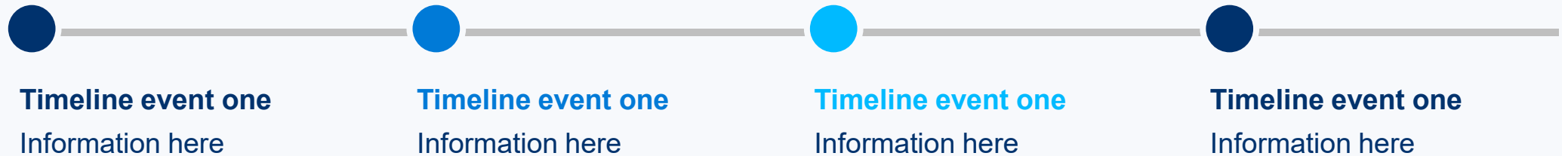




# Timeline example



# Timeline example continued



# Current use of Peppol eDelivery Network

**374 OpenPeppol members and observers from 34 countries**

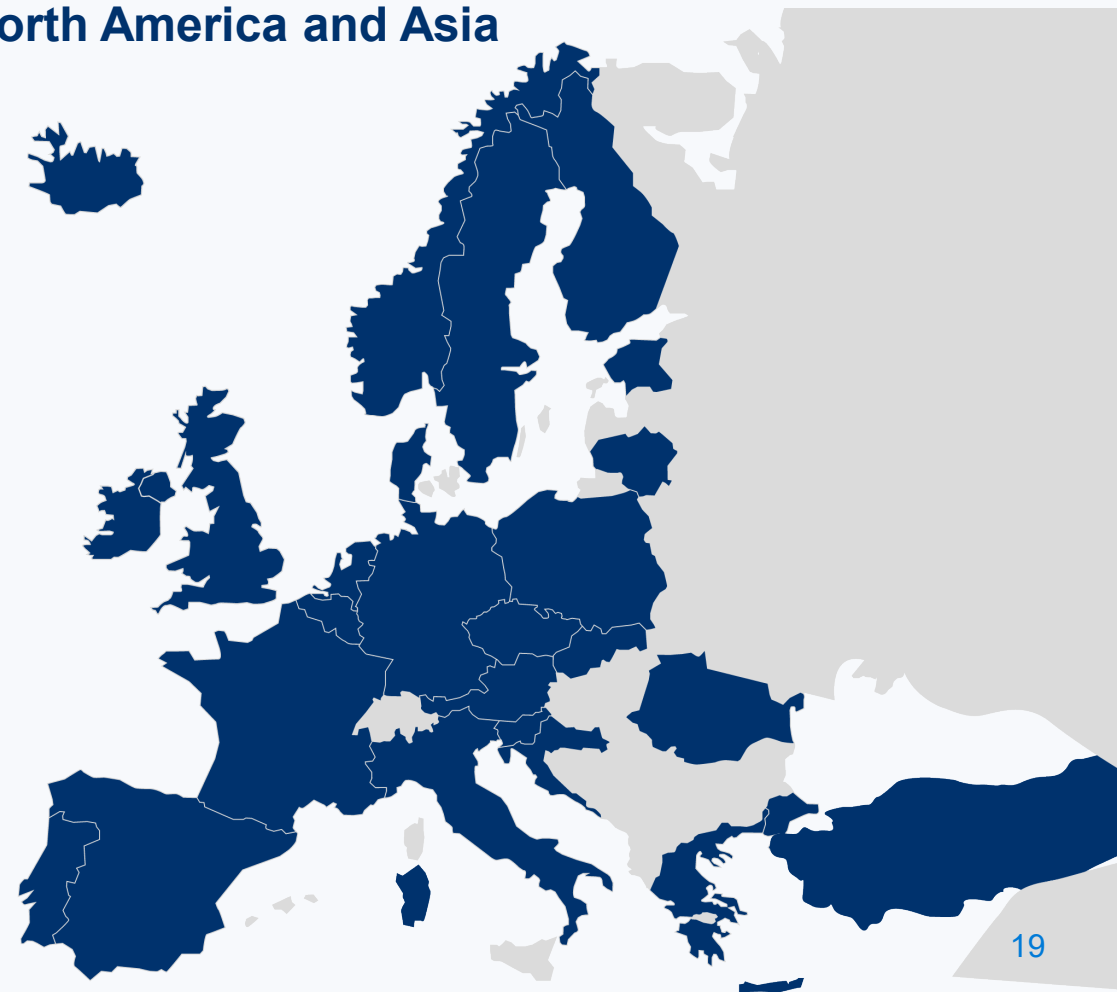
**250 Certified Access Points in 29 countries in Europe, North America and Asia**

- **13 Peppol Authorities**

- Agency for Digital Government (Sweden)
- Agency for Digital Italy (Italy)
- Agency for Public Management and eGovernment (Norway)
- Danish Business Authority (Denmark)
- Department of Health and Social Care (UK)
- Department of Public Expenditure and Reform (Ireland)
- Federal Public Service Policy and Support (Belgium)
- Free Hanseatic City of Bremen – KoSIT (Germany)
- Info-communications Media Development Authority (Singapore)
- Ministry of Business Innovation and Employment (New Zealand)
- Ministry of Entrepreneurship and Technology (Poland)
- SimplerInvoicing (Netherlands)
- OpenPeppol AISBL

More than 400.000 recipients registered in the network

More than 100 million transactions the last 12 months



# PEPPOL going global

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- South-East Asia

- Singapore: Official launch was in January 2019
  - The first PEPPOL Authority outside Europe
  - Helping to engage other ASEAN countries
- Malaysia may be next – hopefully by late 2019

- Trans-Tasman region

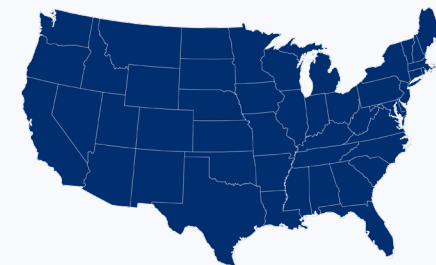
- New Zealand already joined, Australia joining soon
- The two countries coordinate and align their requirements
- Planning to go live late 2019

- How do we engage other regions?

- Establish understanding of the PEPPOL approach
- Formulate value proposition on focus (eg market-driven/government-driven)
- Accommodate regional requirements, maintain compliance with PEPPOL principles



Canada



USA



Singapore



Australia  
New Zealand



# How to get started exchanging PEPPOL BIS documents over the PEPPOL eDelivery Network?

## End Users need to...

- know the PEPPOL identity of its trading partners
  - Normally included in the Business Agreement between the parties, if not query <http://directory.peppol.eu>
- agree that the PEPPOL BIS documents covers the business requirements
- ensure its software or service provider supports relevant PEPPOL BIS and is connected to a Certified Access Point
  - The list of Certified PEPPOL Access Points can be found at <https://peppol.eu/who-is-who/peppol-certified-aps/>

## Service Providers need to...

- implement support for relevant PEPPOL BIS in its software
  - PEPPOL BIS documents can be found at <http://peppol.eu/downloads/>
- become a certified Access Point (AP) in the PEPPOL eDelivery Network
  - Join OpenPEPPOL and sign a PEPPOL Agreement with a PEPPOL Authority
  - Buy AP as a service, install AP software or implement PEPPOL specifications in its own software
  - Pass the on-boarding test
  - AP implementation guides can be found at <https://peppol.eu/downloads/ap-guidelines/>

# OpenPEPPOL main priorities

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- **E-Invoicing – B2G and B2B**
  - Roll-out of PEPPOL BIS Billing 3.0 in Europe (EN 16931 CIUS)
  - Enable support for international eInvoicing in upgraded PEPPOL BIS Billing
- **E-Procurement**
  - Increased use of PEPPOL BIS in Pre-Award procurement processes supporting implementation of Directive 2014/24/EU – **B2G**
  - Increased use of PEPPOL BIS in Post-Award procurement processes for catalogue, order/order confirmation and despatch advice – **B2G and B2B**
- **Revised agreement framework to replace PEPPOL TIA in 2020**
  - Assess and include new domains for use of the PEPPOL eDelivery network
  - On-board more PEPPOL Authorities – also outside Europe
  - Cooperation with associations globally and in Europe
    - CEF/EC, Connect ONCE, EESPA, EUPLAT, GS1, Business Payment Coalition (US)