



PEPPOL as global network, enabling business transactions

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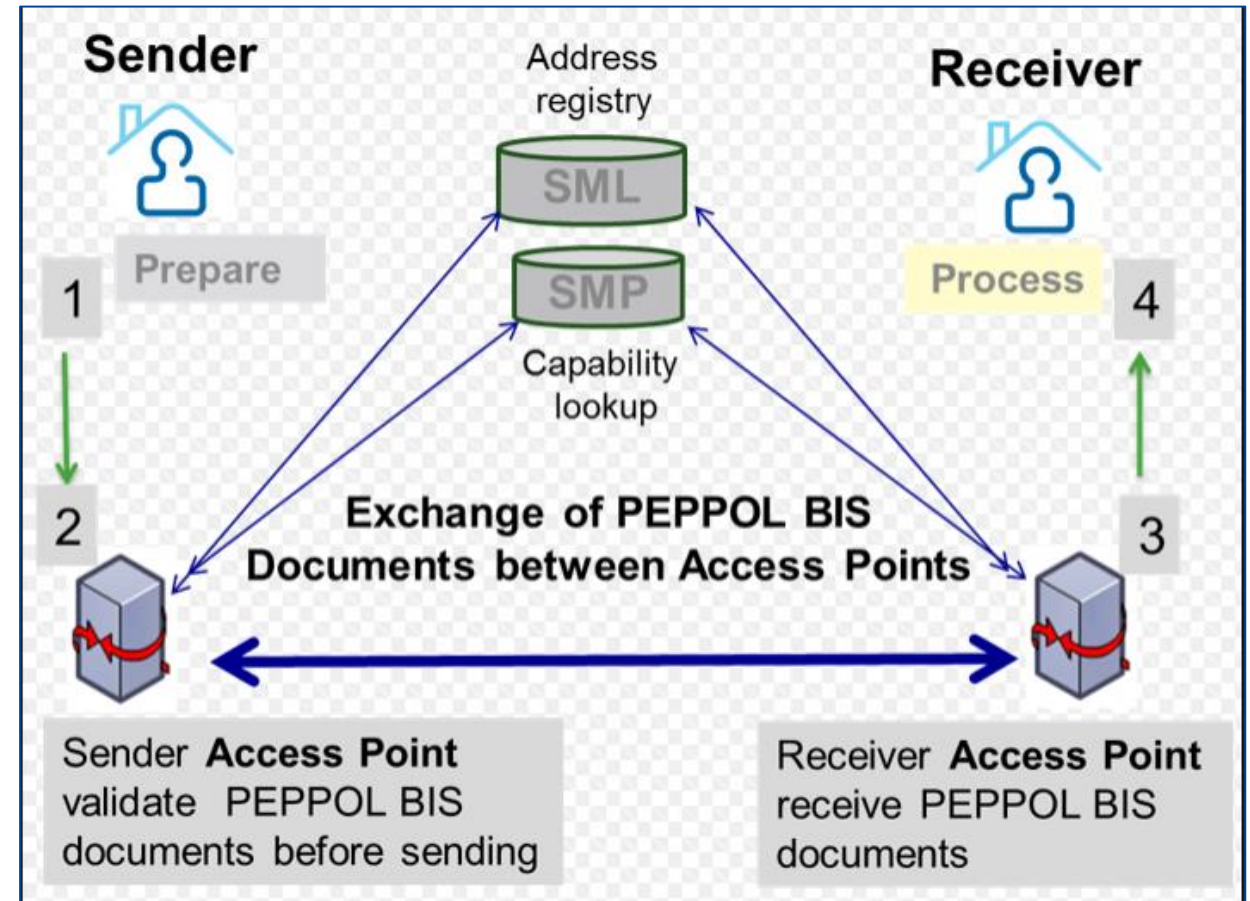
Agency for public management and eGovernment (Difi), Norway

Agenda

- ▶▶ What is new in PEPPOL
- ▶▶ Updating the governance model and agreements
- ▶▶ Moving towards international interoperability

About PEPPOL

PEPPOL integrates business processes by standardising the way information is structured and exchanged, based on our 'four-corner' model



Current use of PEPPOL

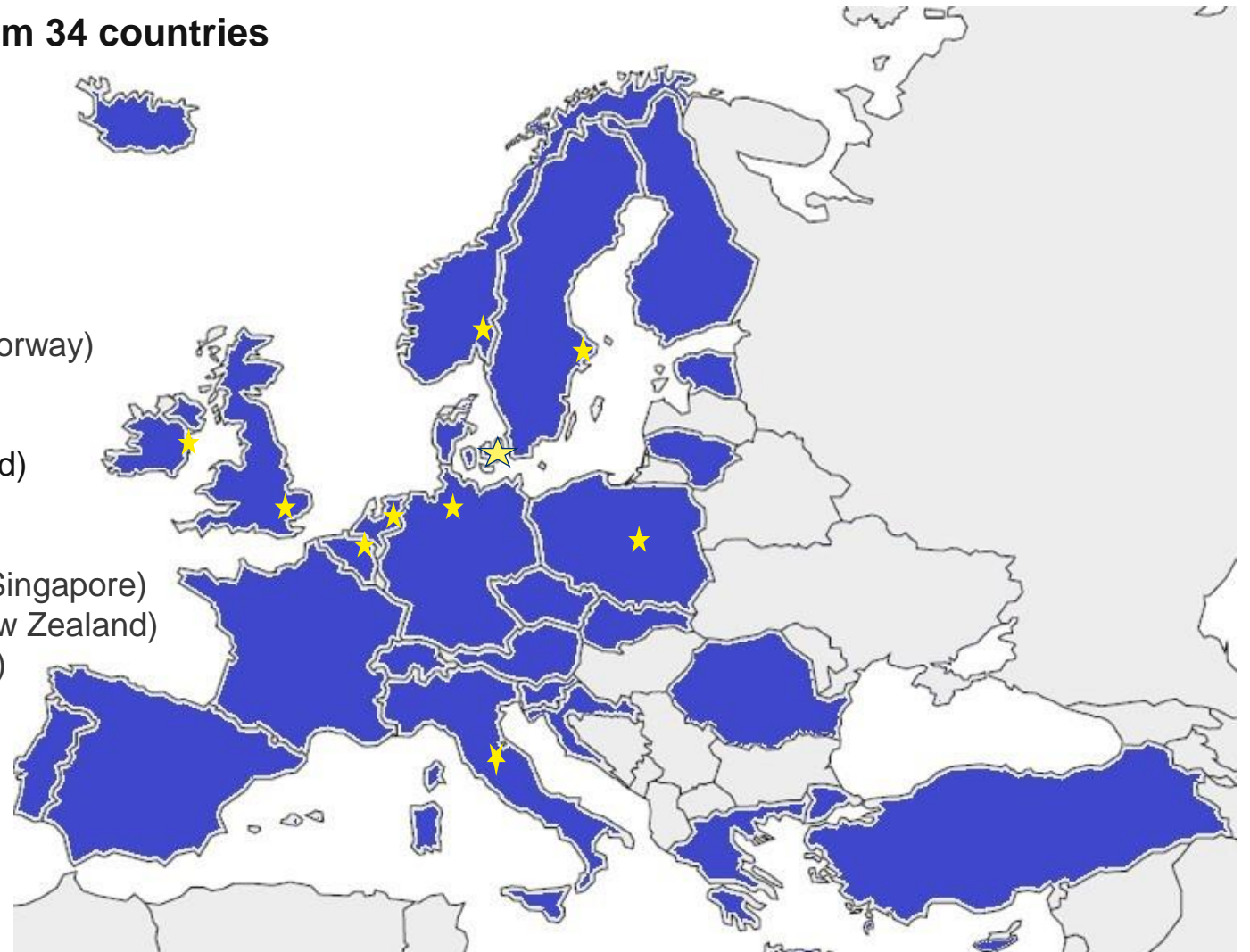
369 OpenPEPPOL members and observers from 34 countries

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

13 PEPPOL Authorities

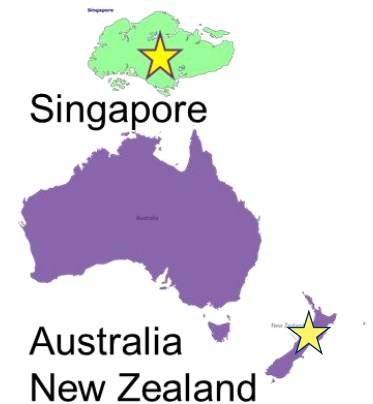
- ▶▶ Agency for Digital Government (Sweden)
- ▶▶ Agency for Digital Italy (Italy)
- ▶▶ Agency for Public Management and eGovernment (Norway)
- ▶▶ Danish Business Authority (Denmark)
- ▶▶ Department of Health and Social Care (UK)
- ▶▶ Department of Public Expenditure and Reform (Ireland)
- ▶▶ Federal 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

Member Countries where Access Points are not yet certified: Australia, Mexico, New Zealand, Romania and Slovak Republic



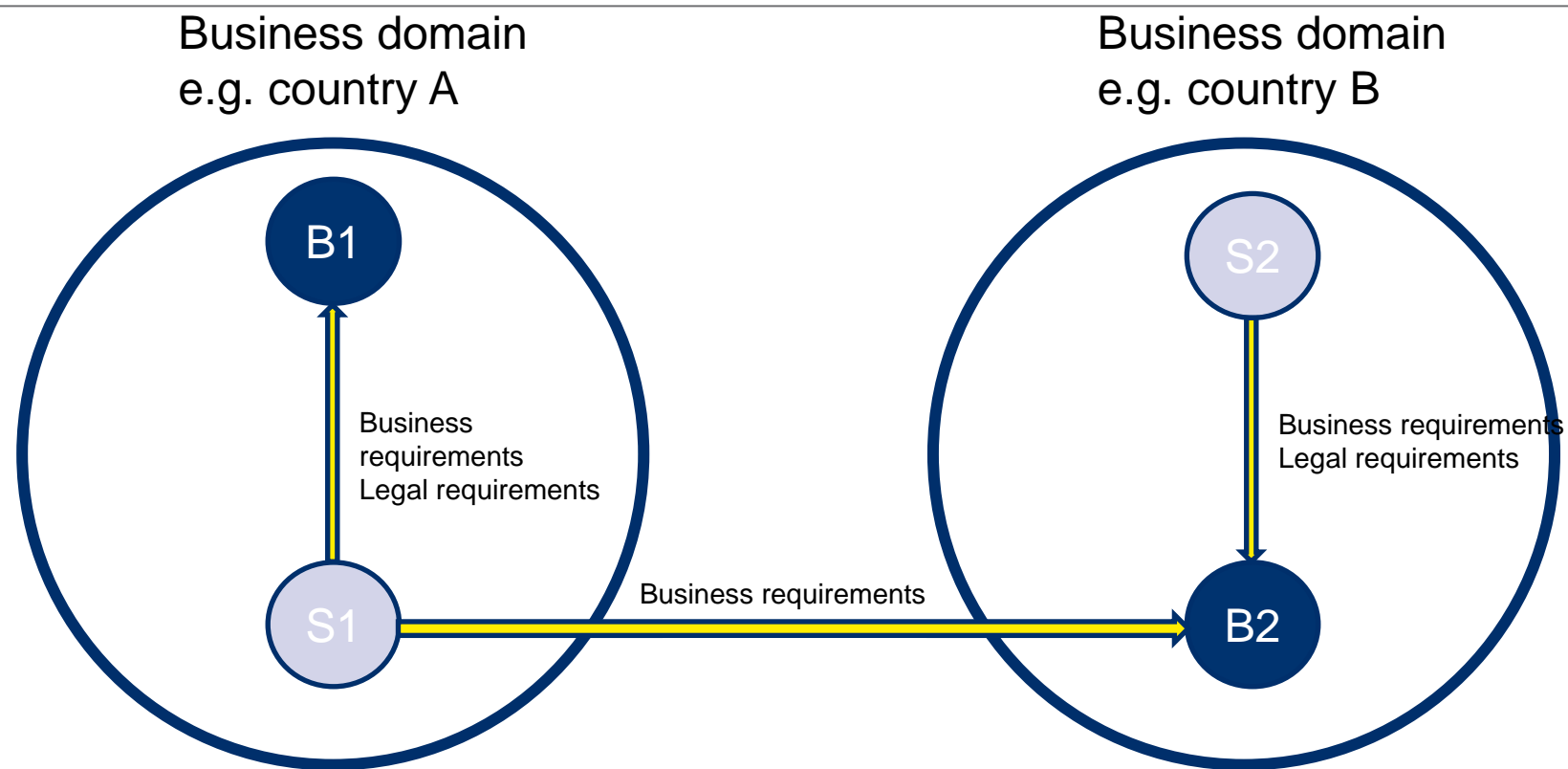
PEPPOL going global

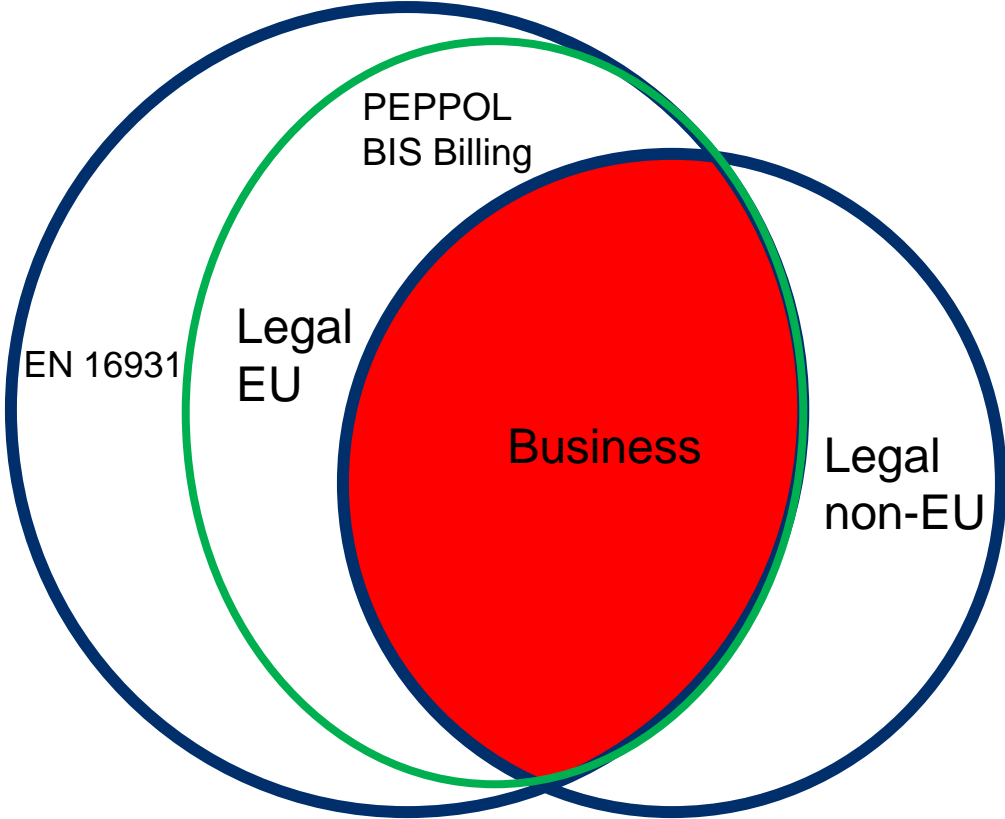
- ▶▶ South-East Asia
 - ▶▶ Singapore: Official launch was in January 2019
 - ▶ The first PEPPOL Authority outside Europe
 - ▶ Helping to engage other ASEAN countries
 - ▶▶ Malaysia may be next – hopefully by late 2019
- ▶▶ Trans-Tasman region
 - ▶▶ New Zealand already joined, Australia joining soon
 - ▶▶ 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



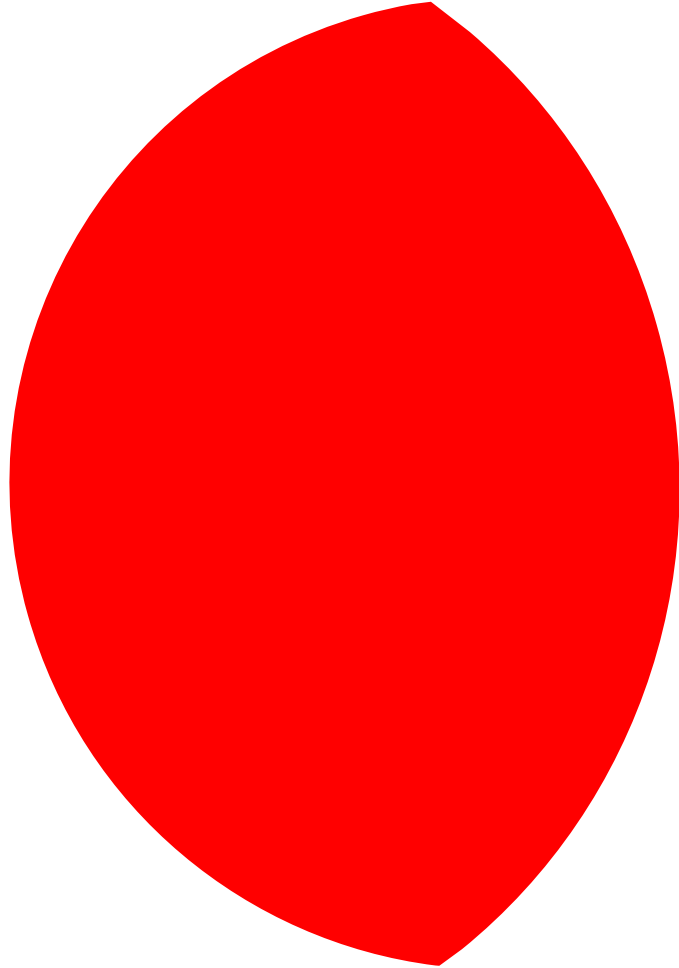
Moving toward international interoperability

- ▶▶ Pre-study completed by OpenPEPPOL Work Group in June 2019
 - ▶▶ Participation from Europe, North-America, Asia and Oceania
- ▶▶ OpenPEPPOL Work Group on international invoicing established Autumn 2019
 - ▶▶ Open for OpenPEPPOL members to participate
- ▶▶ Overall goal – to establish a PEPPOL international invoice framework
 - ▶▶ Shared – fully defined
 - ▶▶ Aligned: Generalised → Specialised
 - ▶▶ Distinct content
 - ▶▶ Hierarchical layering
- ▶▶ What does this mean?



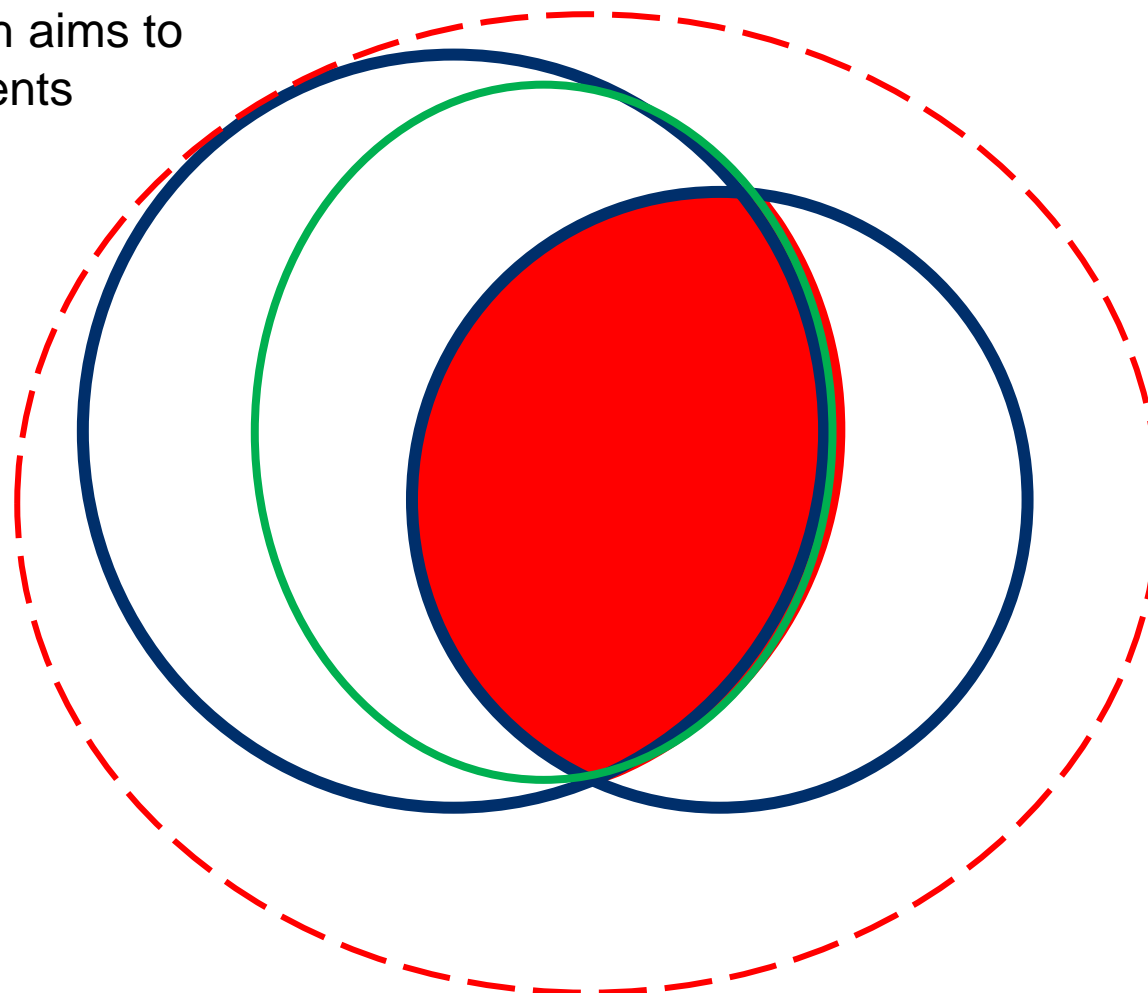


Shared: Fully defined

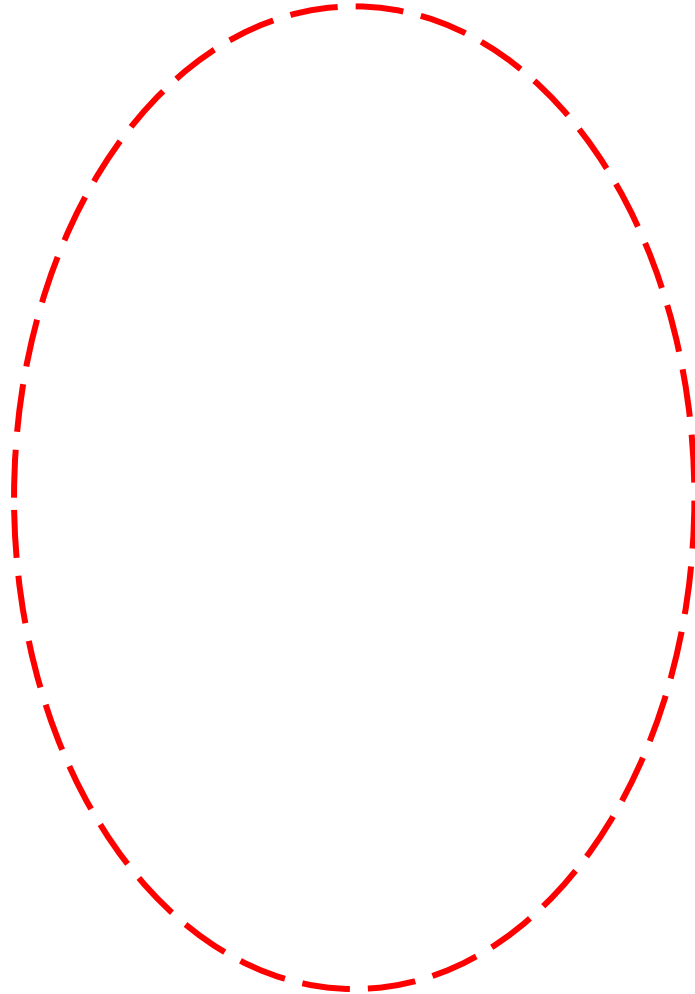


- ▶▶ Common for all domains
- ▶▶ Minimum rules
- ▶▶ Sufficient for basic automations
 - ▶▶ Reading into ERP system
 - ▶▶ Booking into accounts
 - ▶▶ Order to invoice matching
- ▶▶ Key content
 - ▶▶ Trading parties
 - ▶▶ Total amounts
 - ▶▶ Items and prices
 - ▶▶ References

Aligned content which aims to
address all requirements



Aligned: Generalised → Specialised

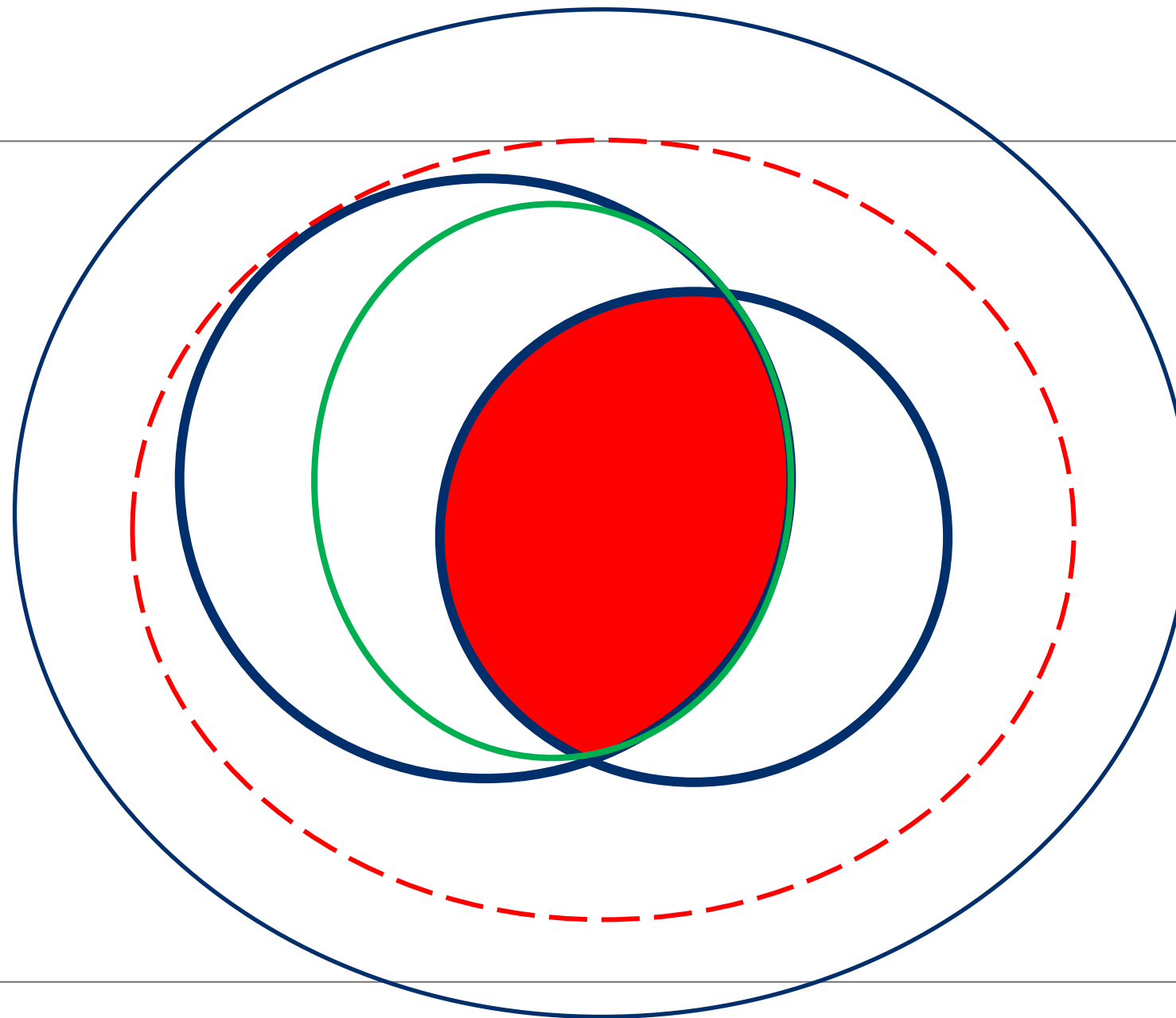


▶▶ Generalised

- ▶▶ Understood in general terms by all domains
- ▶▶ No rules
- ▶▶ Not optimized for automation
- ▶▶ Can be specialized for domain specific automation and compliance

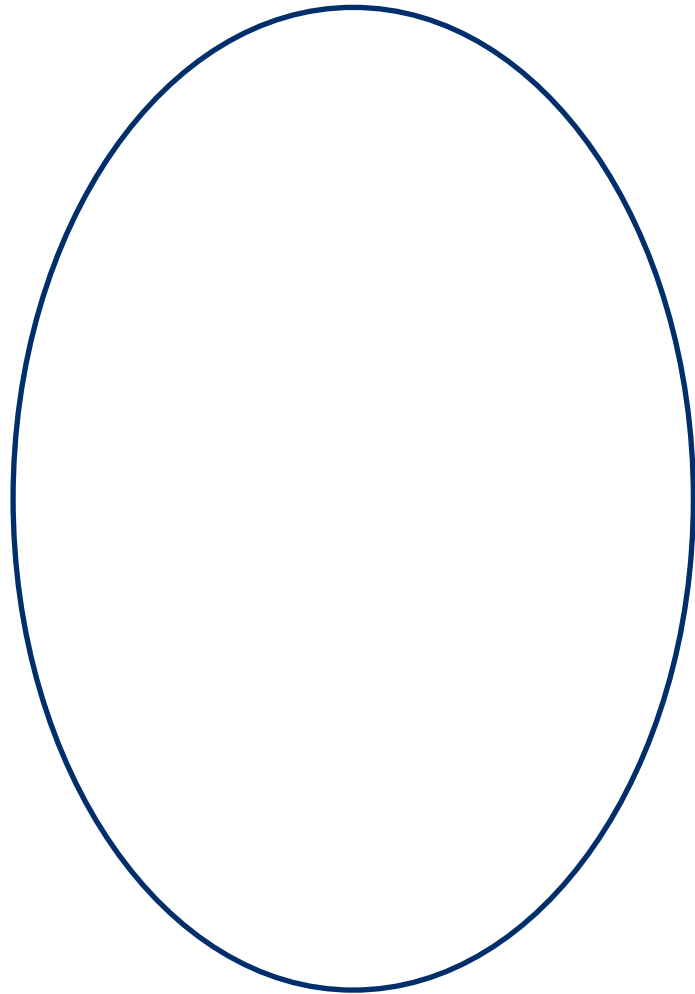
▶▶ Key content

- ▶▶ Tax information



Recognising that there may be additional needs out there that are distinct to each domain

Distinct content



- ▶▶ Not commonly understood in all domains

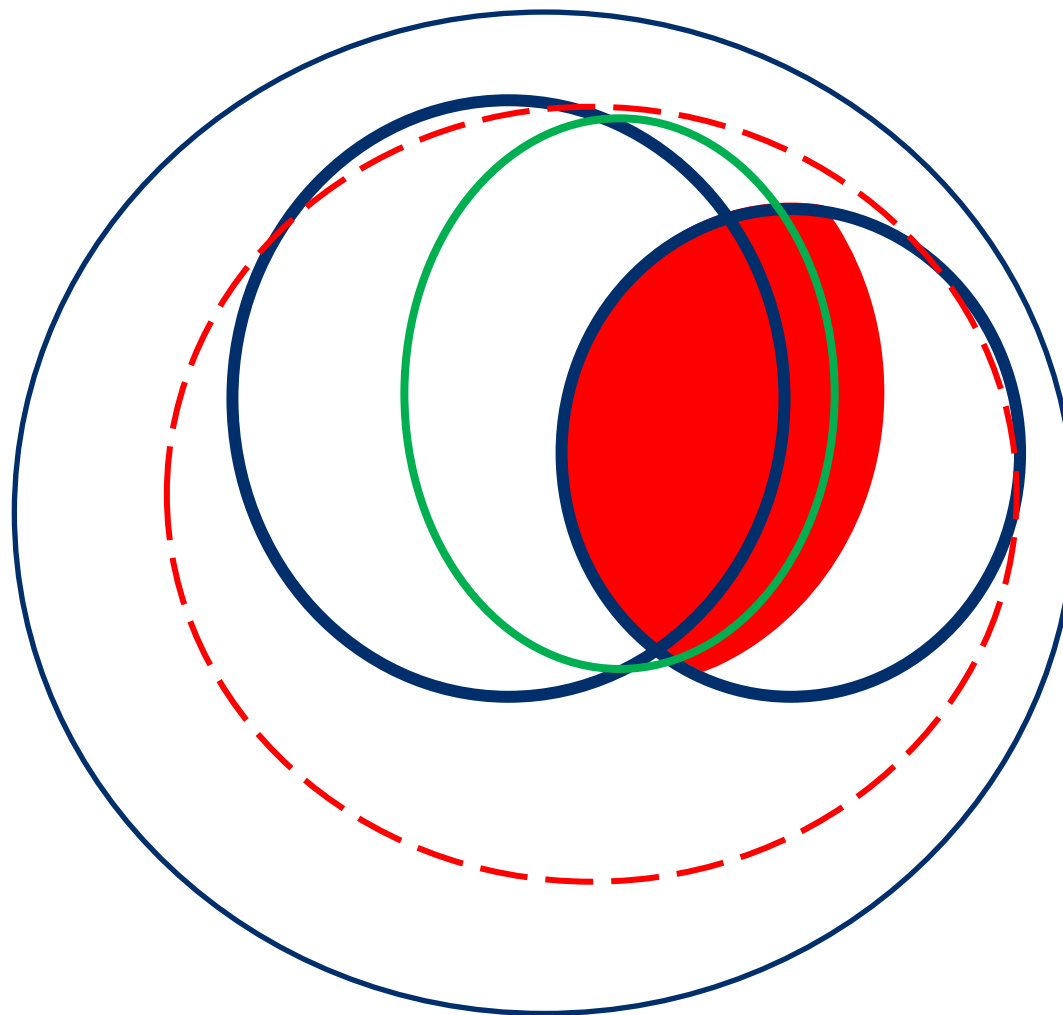
- ▶▶ Syntax semantics apply

Type of content

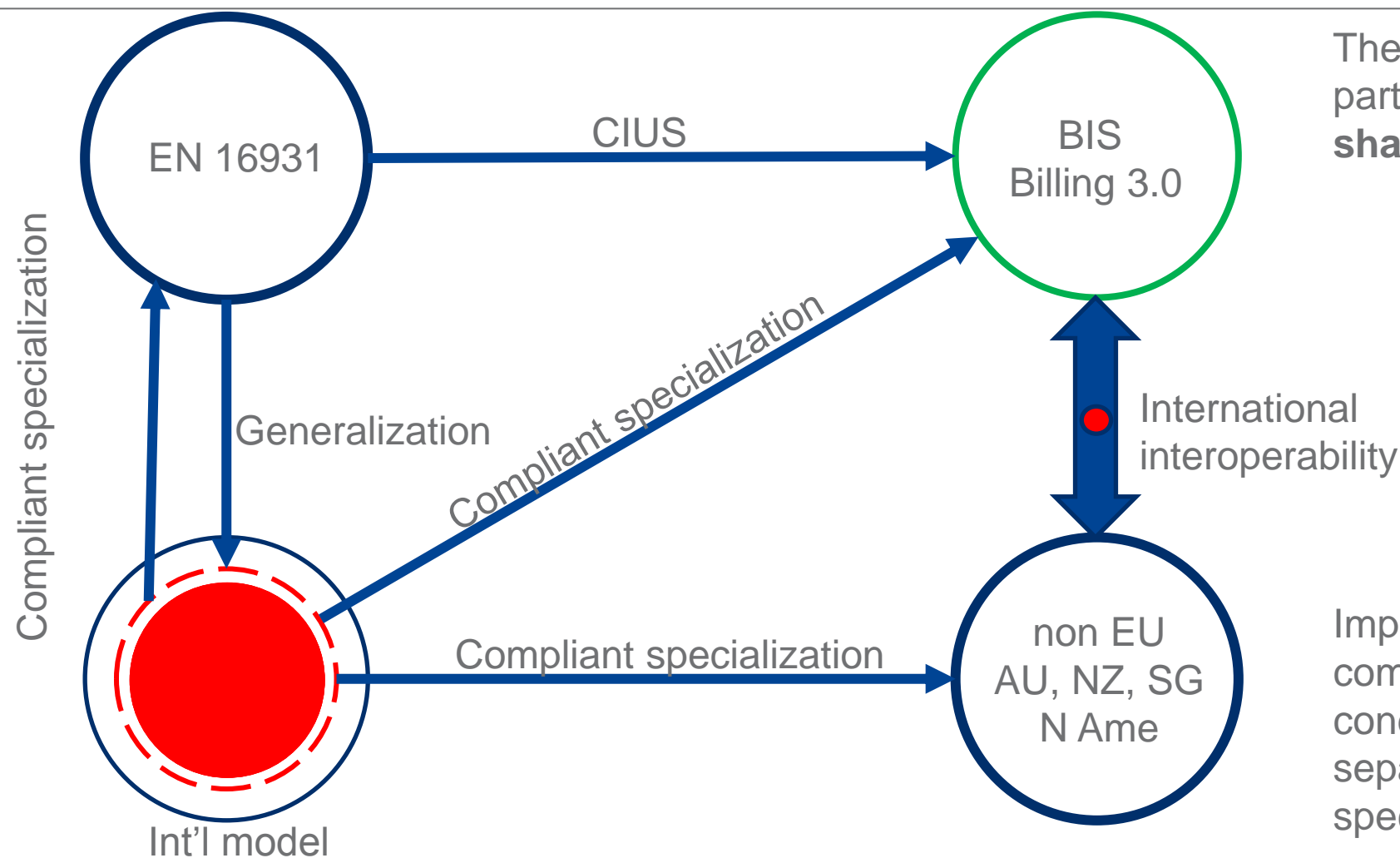
- ▶▶ Content that is distinct for different domains

- ▶▶ country

- ▶▶ sector



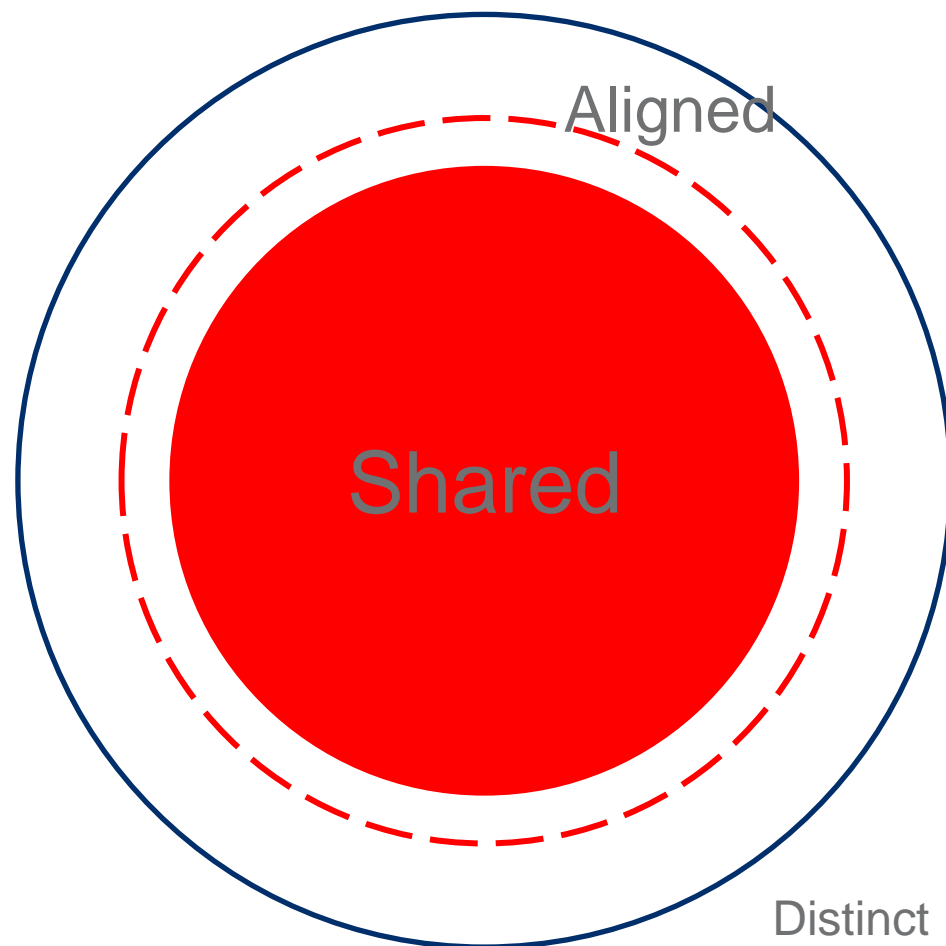
Distinct model
Recognising that there
may be additional needs
out there and some
specific



The fully defined part **MUST** be shared by all

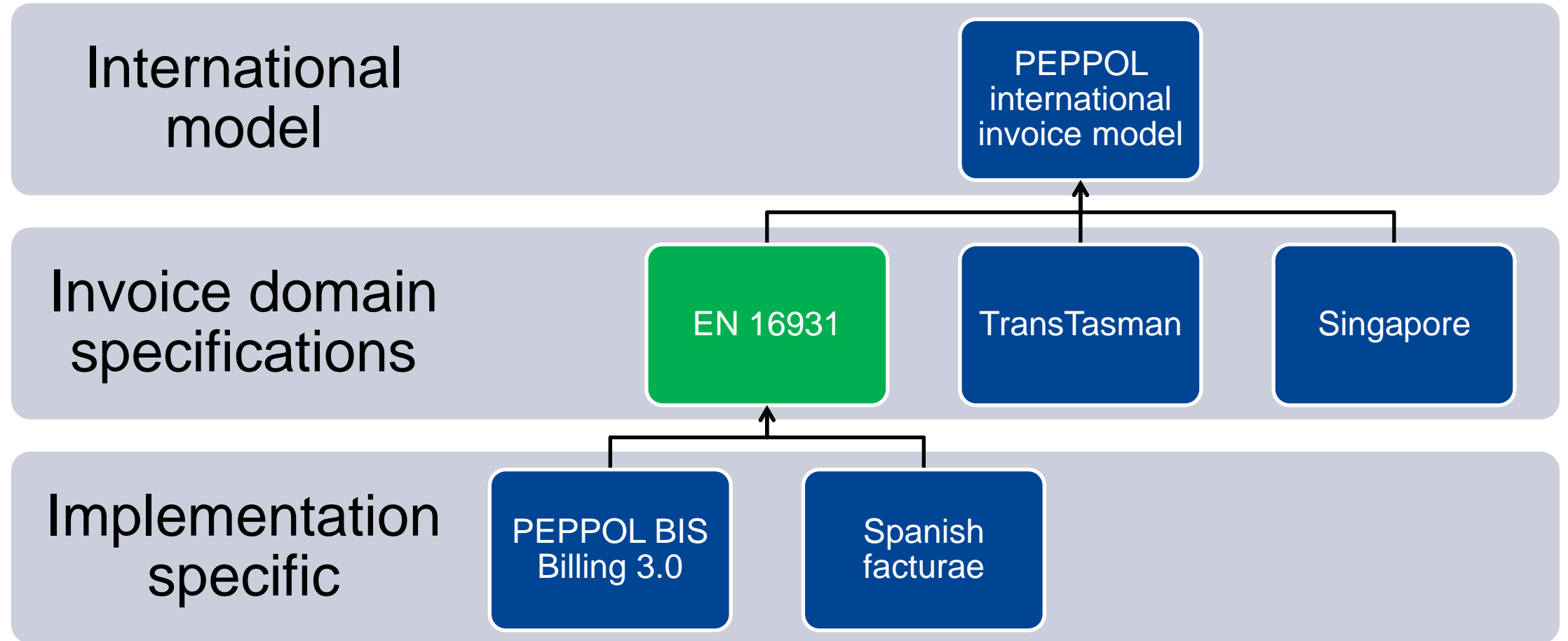
Implemented as one common BIS using conditional rules or in separate BIS specifications

PEPPOL International Invoicing Model

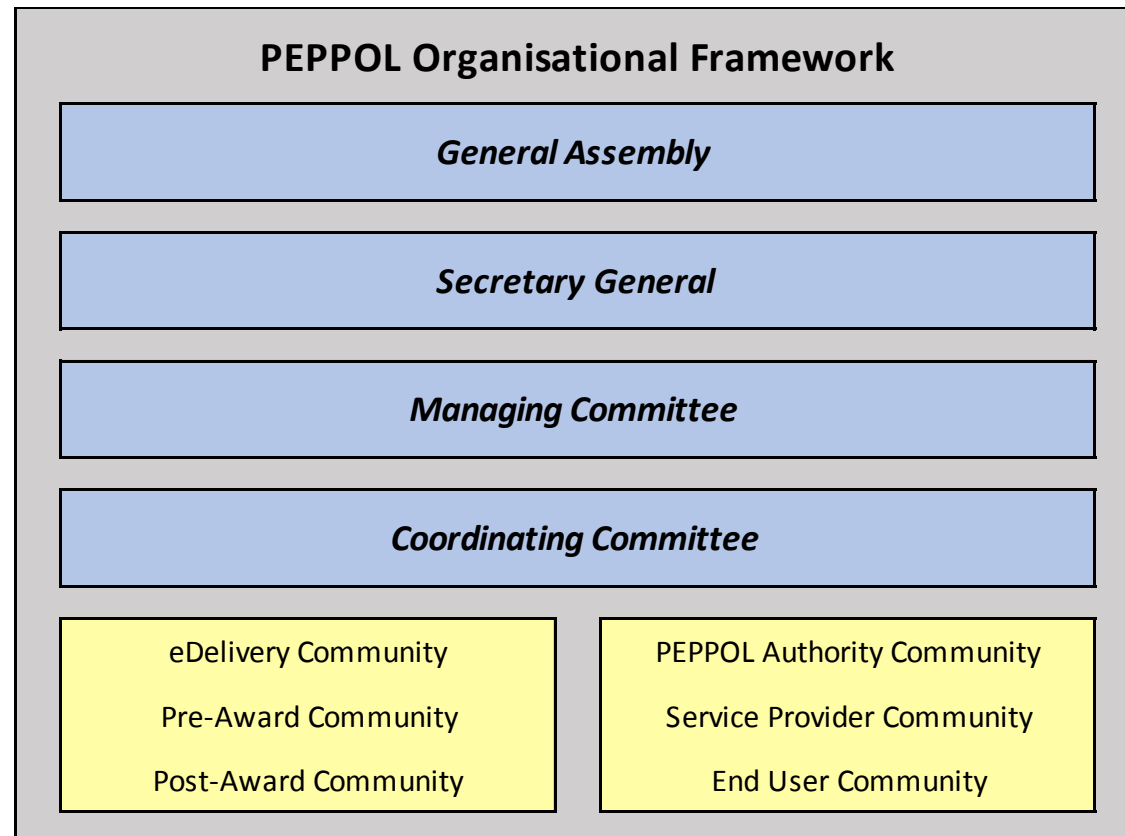


Hierarchical layering

Compliant relation ←

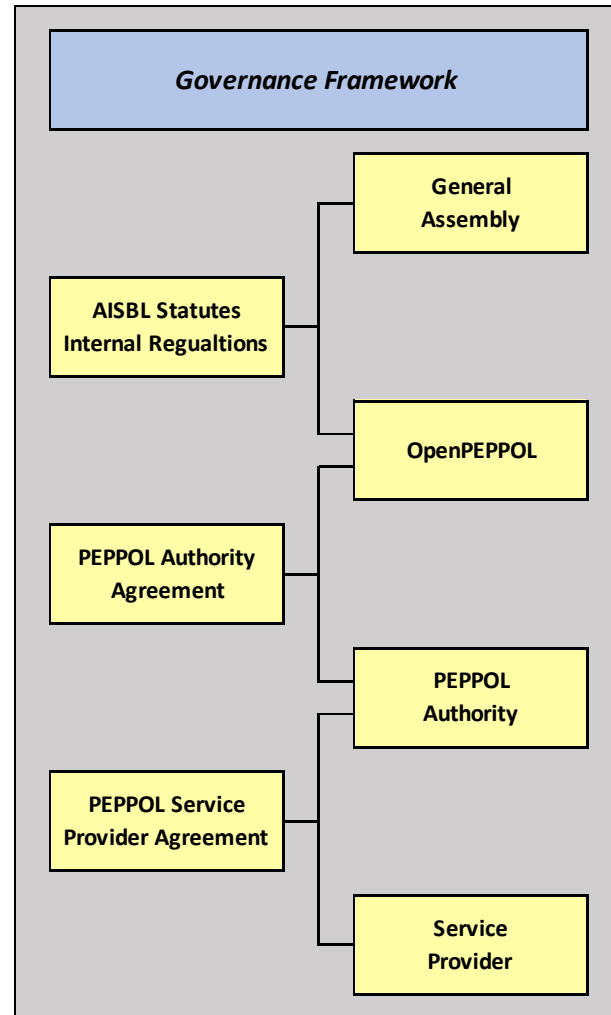


PEPPOL Organisational Framework



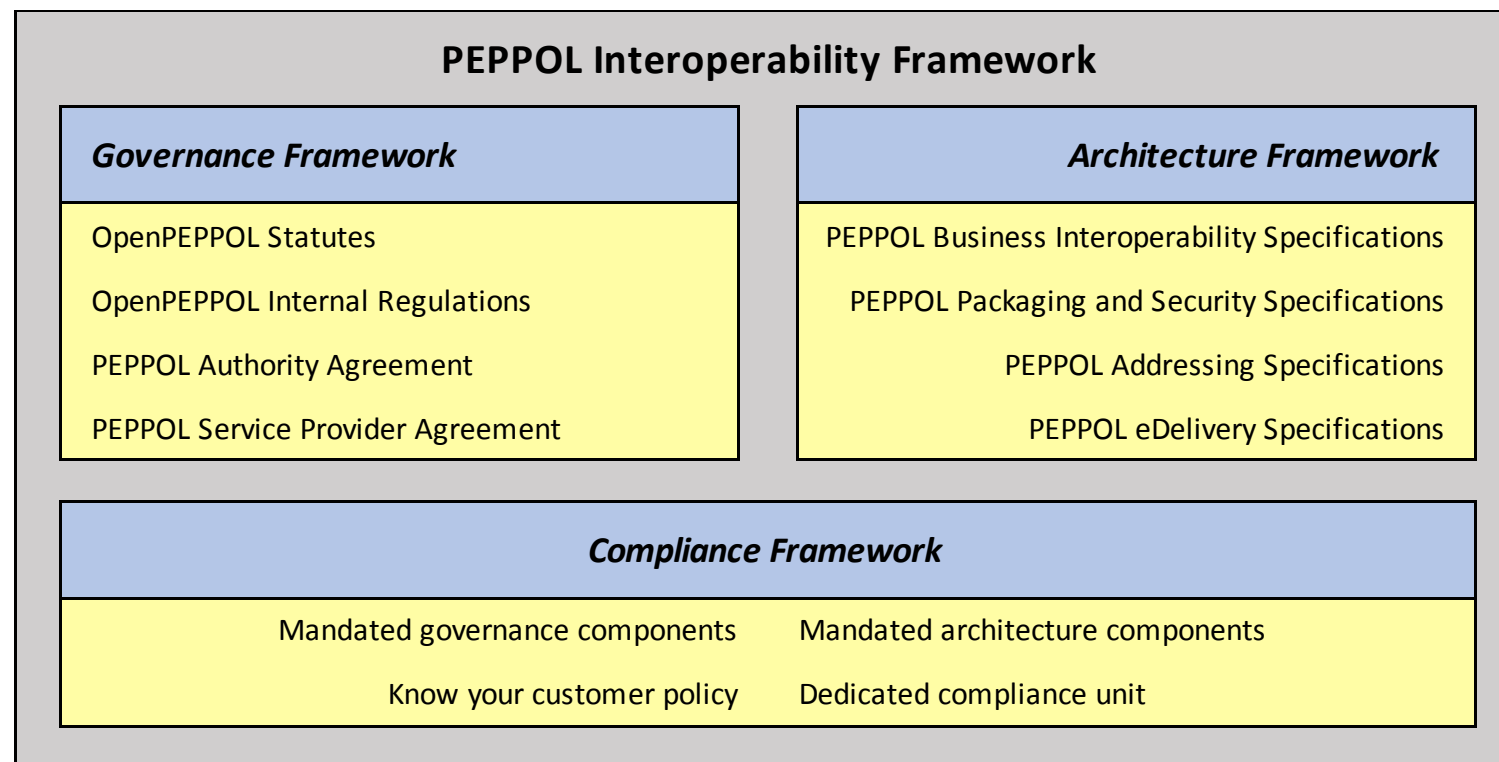
- ▶▶ The **General Assembly** elects the Secretary General and the Managing Committee
- ▶▶ The **Managing Committee** is led by the Secretary General and has 2 PEPPOL Authority representatives, 2 Service Provider representatives and 2 End User representatives
- ▶▶ The **Coordinating Committee** is made up from the Leaders of the Domain and Stakeholder Communities
- ▶▶ The **Domain** and **Stakeholder Communities** are made up from Member representatives and elects the Community Leaders

PEPPOL Governance Framework



- ▶ The **General Assembly** is the highest authority and is made up of all members of OpenPEPPOL with voting rights
- ▶ **OpenPEPPOL AISBL** is responsible for strategic and operational governance, in accordance with the OpenPEPPOL Statutes and Internal Regulations
- ▶ **PEPPOL Authorities** govern the PEPPOL eDelivery Network within a defined jurisdiction, in accordance with a PEPPOL Authority Agreement
- ▶ **Service Providers** deliver services to PEPPOL End Users based on the PEPPOL Architecture Framework, in accordance with a PEPPOL Service Provider Agreement
- ▶ PEPPOL Authority and Service Provider **Agreements** are currently under revision by a dedicated Work Group

The PEPPOL Interoperability Framework



▶▶ **PEPPOL Authorities and Service Providers** work together within the Governance Framework to provide services compliant with the Architecture Framework

The PEPPOL Compliance Policy

Key principles

- ▶▶ Connect once – serve all
- ▶▶ No actor can sign an agreement with itself
- ▶▶ Mandatory support for the four-corner model
- ▶▶ Mandatory support for PEPPOL BIS
- ▶▶ No 'roaming fees' between Service Providers
- ▶▶ Only valid documents are to be exchanged over the PEPPOL eDelivery Network
- ▶▶ PEPPOL technical standards and service specifications are baseline for interoperability

The PEPPOL Architecture Framework

- ▶▶ PEPPOL BIS – Business Interoperability Specifications
 - ▶▶ Based on the Universal Business Language
 - ▶ (UBL – ISO/IEC 19845)
- ▶▶ The PEPPOL eDelivery Network
 - ▶▶ Packaging and Security Specifications
 - ▶ SBDH, ASIC etc
 - ▶▶ Messaging Specifications
 - ▶ AS2/AS4 etc
 - ▶▶ Capability Lookup and Addressing Specifications
 - ▶ SML, SMP etc

Value propositions

- ▶▶ PEPPOL provides a versatile shared language to do business in
- ▶▶ Beyond eProcurement and eInvoicing
 - ▶▶ Supports the exchange of any business document
- ▶▶ Beyond Business-to-Government
 - ▶▶ increasing use in Business-to-Business
 - ▶▶ relevant for Business-to-Consumer, and Government-to-Consumer
- ▶▶ Member-owned, democratic, non-profit organisation
- ▶▶ Connect once, reach all

The benefits of the PEPPOL approach

- ▶▶ Origin – arose from EU need for cross-border electronic trading
- ▶▶ Trusted – supported and driven by public authorities
- ▶▶ Proven – adopted in many countries
- ▶▶ Safe – standards-based, secure transport mechanism
- ▶▶ Open – avoids lock-in to any service provider
- ▶▶ Easy – straightforward to trade electronically, using a single connection
- ▶▶ Resilient – distributed service providers operating independently
- ▶▶ Governance – not-for-profit, democratically led by members, within legal framework



More information

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Web address: www.peppol.eu

Look out for our new brand
and website to be launched
in October 2019