



# PIDX - PEPPOL USE CASE

2019 PIDX US SPRING CONFERENCE  
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# AGENDA

- PEPPOL VISION
- PEPPOL FUNDAMENTALS
- PIDX & PEPPOL USE CASE
- LESSONS LEARNED
- Q&A



# PEPPOL VISION

PEPPOL - **P**an-European **P**ublic **P**rocurement **O**nline

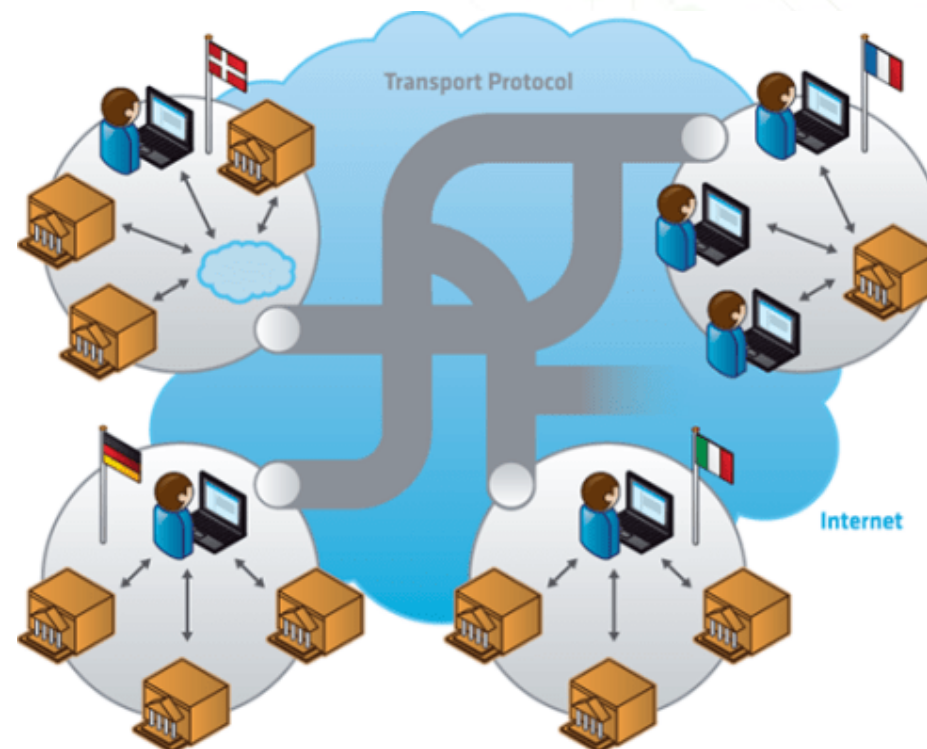
To enable businesses to communicate electronically with any European government institution in the procurement process.

The use of PEPPOL is governed by a multi-lateral agreement structure which is owned and maintained by OpenPEPPOL.

OpenPEPPOL is a non-profit international association under Belgian law (Association Internationale Sans But Lucratif – **AISBL**)



‘Connect once, connect to all’



Source: peppol.eu

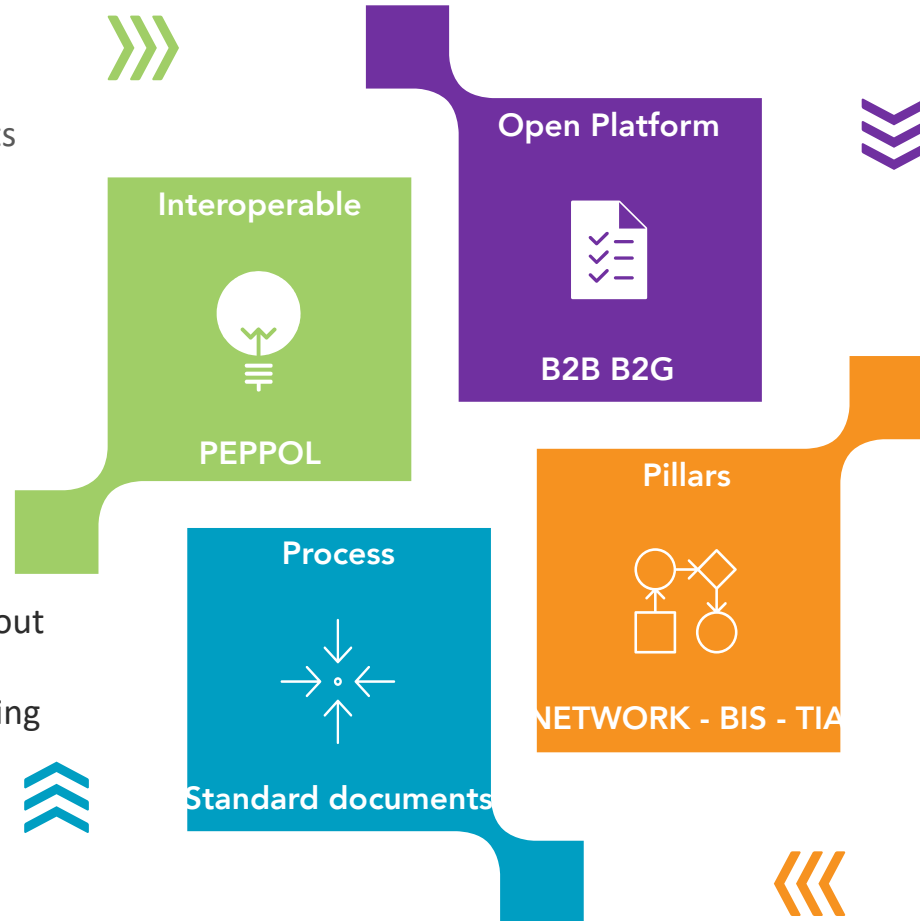
# PEPPOL FUNDAMENTALS

## INTEROPERABILITY

PEPPOL standardizes three basic elements required for interoperability: **Routing, Delivery and Format.**

## POST-AWARD PROCESS

-eCatalogues to exchange information about goods and services.  
-**Invoice**, Credit Memo and **Orders** providing the buyer and suppliers with defined procedures



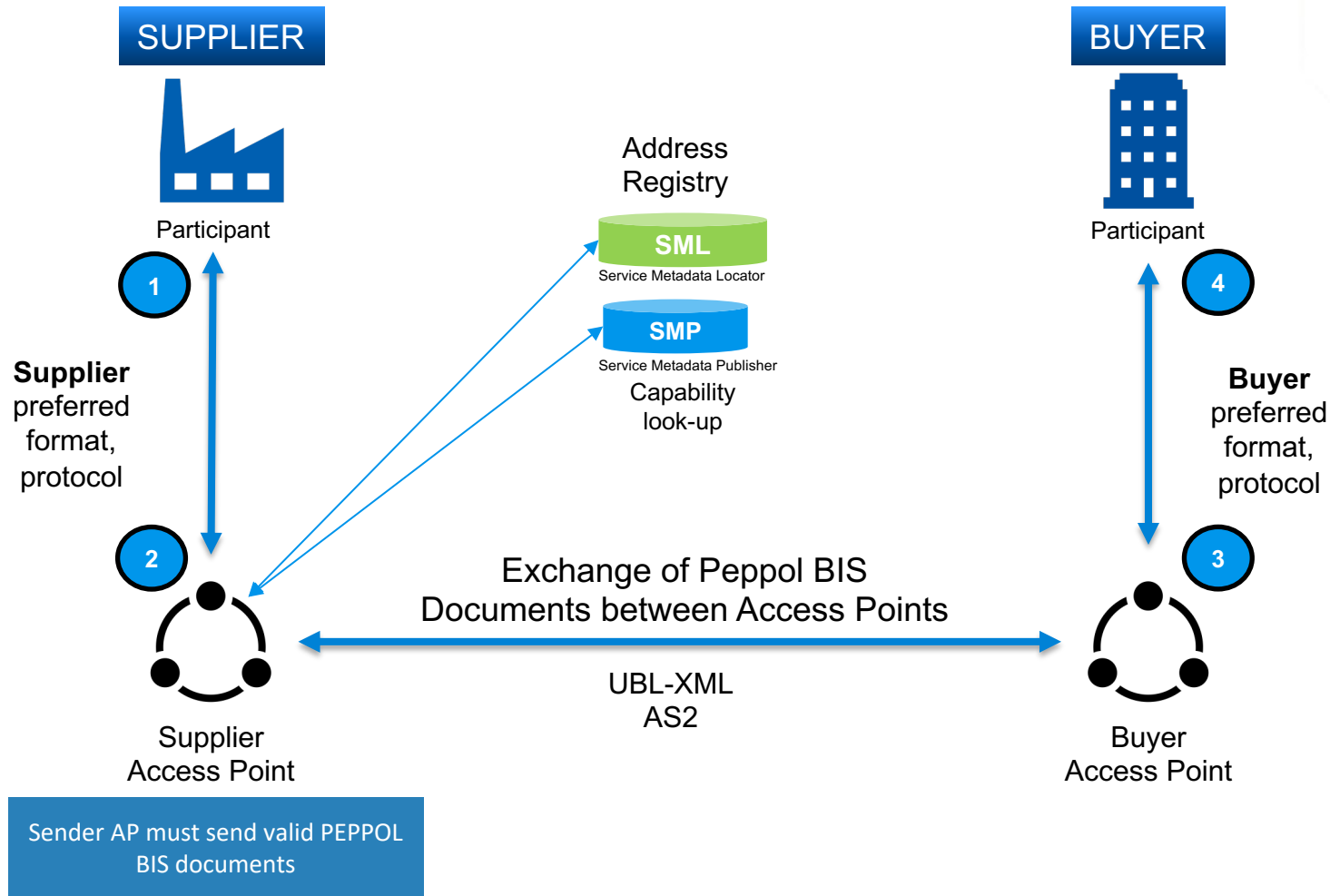
## INFRASTRUCTURE

PEPPOL infrastructure is mainly driven by the European public sector and is to be used for Business To Government and Business To Business participants.

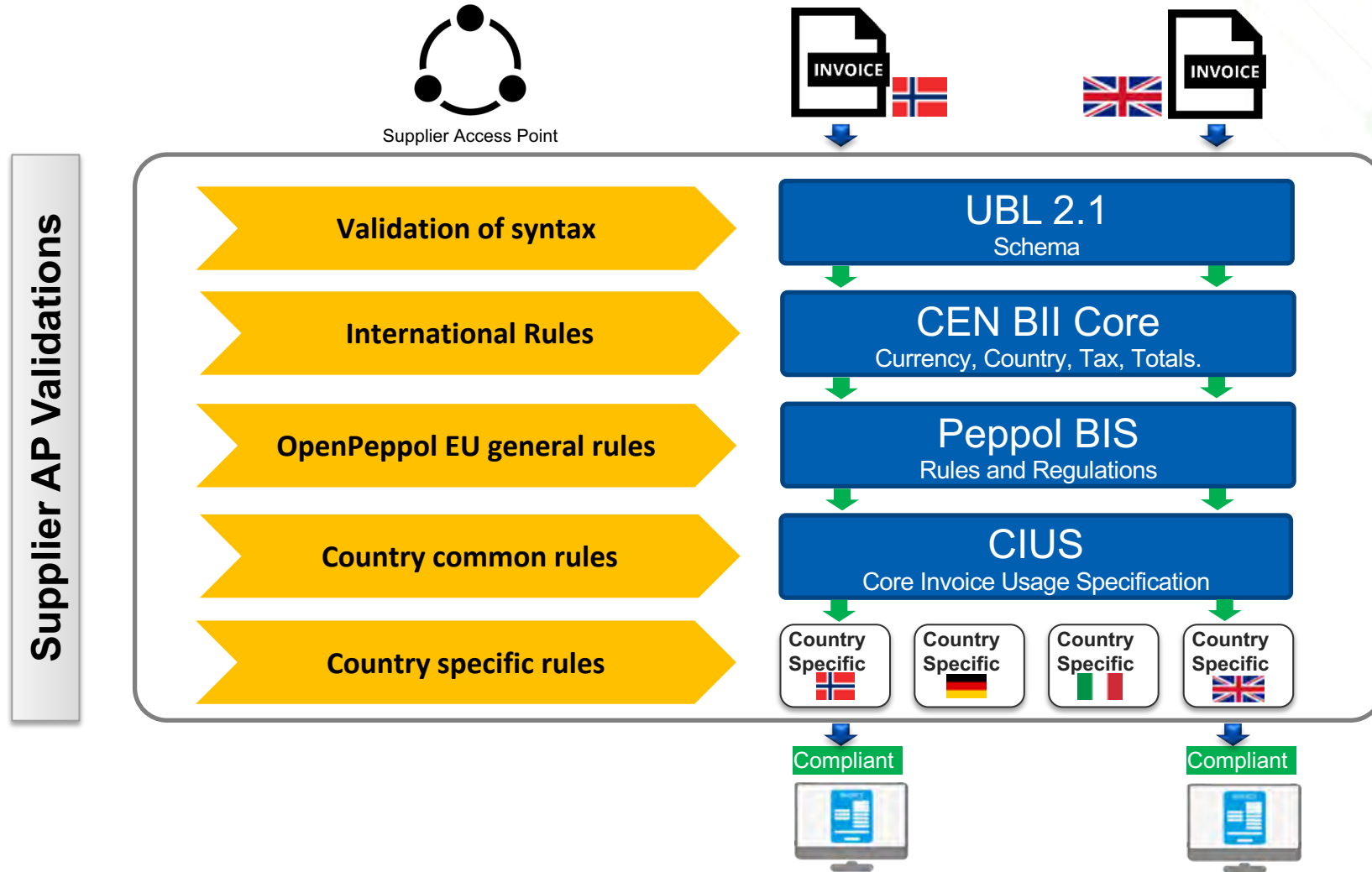
## PEPPOL COMPONENTS – THREE PILLARS

-**The Network** (PEPPOL eDelivery Network)  
-PEPPOL **BIS**, **Business Interoperability Specifications**  
-Transport Infrastructure **Agreements, TIA**. The legal framework that defines the network governance

# PEPPOL NETWORK



# PEPPOL ACCESS POINT VALIDATIONS



# PEPPOL REACH AND COUNTRY PROFILES

## There are 12 PEPPOL Authorities:

- Agency for Digital Italy (AgID), **Italy**
- Beleid en Ondersteuning – Stratégie et Appui (BOSA), **Belgium**
- Danish Business Authority, **Denmark**
- Agency for Public Management and eGovernment (Difi), **Norway**
- Department of Health and Social Care (NHS), **England**
- Agency for Digital Government (DIGG), **Sweden**
- Ministry of Entrepreneurship and Technology, **Poland**
- SimplerInvoicing, **Netherlands**
- Office of Government Procurement, **Ireland**
- Koordinierungsstelle für IT-Standards (KoSIT), **Germany**
- Info-communications Media Development Authority (IMDA), **Singapore**
- Ministry of Business Innovation and Employment (**New Zealand**)

***Also, OpenPEPPOL AISBL as an interim choice where no national Authority exists.***

## Possible PEPPOL Authorities in 2019?

EU/EEA countries with PEPPOL Access Points without a PEPPOL Authority at national level

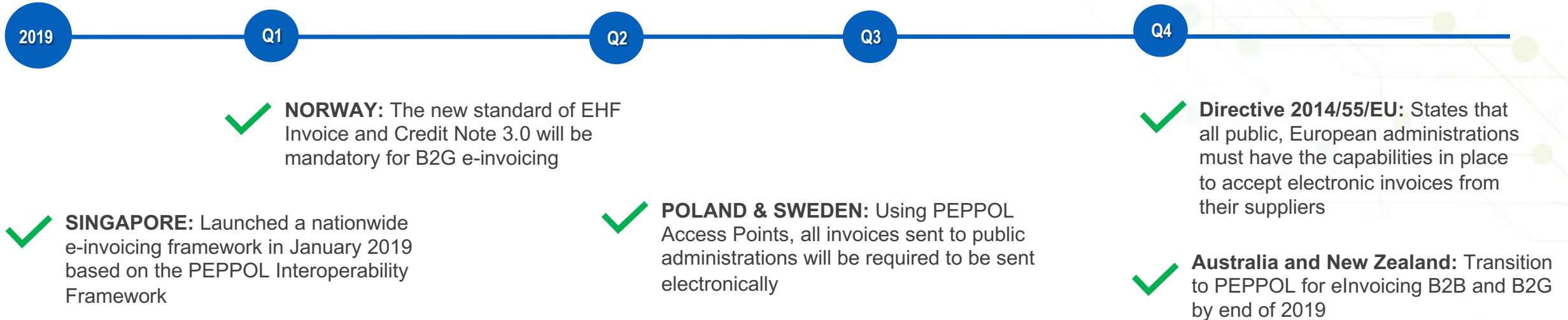
- Austria
- Croatia
- Cyprus
- Czech Republic
- Estonia
- Finland
- France
- Greece
- Iceland
- Lithuania
- Malta
- Portugal
- Slovenia
- Spain
- Switzerland

### Outside Europe

- USA
- Canada

Source: peppol.eu


# PEPPOL REACH AND COUNTRY PROFILES





# PIDX & PEPPOL USE CASE

## Getting Started with PEPPOL

- ✓ Access Point supplier selection
- ✓ Define Format and Protocol ↔ 
- ✓ Determine PEPPOL mapping requirements



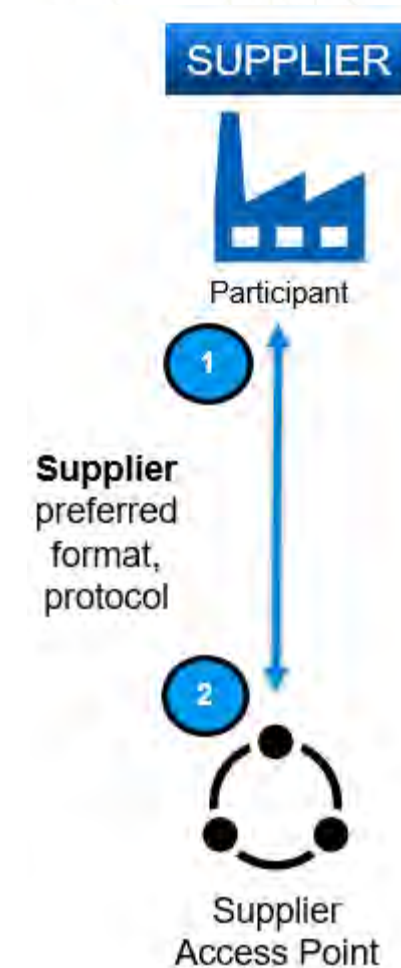
# PIDX & PEPPOL USE CASE

## Requirement:

## Develop mappings for PIDX & PEPPOL interoperability

Choice on Format and Protocol between  
Supplier and Access Point

# PIDX - RNIF



# PIDX & PEPPOL EHF 2.0 DOCUMENTS

## PEPPOL 2.0 Document types

### Post-Award

PEPPOL BIS 1A Catalogue  
PEPPOL BIS 3A Order  
PEPPOL BIS 4A Invoice  
PEPPOL BIS **5A** Billing  
PEPPOL BIS **28A** Ordering  
PEPPOL BIS 30A Dispatch Advice  
PEPPOL BIS **42A** Order Agreement  
PEPPOL BIS 36A Message Level

### PIDX INVOICE PEPPOL EHF **5a Billing**

- Basic invoice
- Invoice Response

### PIDX PO PEPPOL EHF **28a Ordering**

- Detailed POs
- Limited POs

### PIDX OC PEPPOL EHF **42a Order Agreement**

- Used to receive other documents

EHF: Norwegian: Elektronisk Handelsformat (Electronic Commerce Format)

# PIDX & PEPPOL EHF 2.0 MAPPING BASICS

## PIDX INVOICE TO PEPPOL EHF 5a Billing

- Become familiar with Peppol documents and requirements
- Evaluate what will impact your current billing process and solutions
- While defining the mappings determine how to standardize
- Define a long term strategy for future projects

This will help scaling developments for multiple countries, have more flexibility for deployment (multi-customer) when needed, and ensure clear patterns on how workflows in same documents should interact around the data they need to exchange.

TaxIdentifierNumber → NO:ORGNR \ NO:VAT → 123456789MVA  
Bank Account → IBAN, BBAN Validated → NOK & USD, SWIFT-BIC

Unit of Measure → UNECERec20  
TAX Rate → TAX Category UNCL5305 - '0' → 'Z'

# PIDX & PEPPOL EHF 2.0 MAPPING KEY INFORMATION

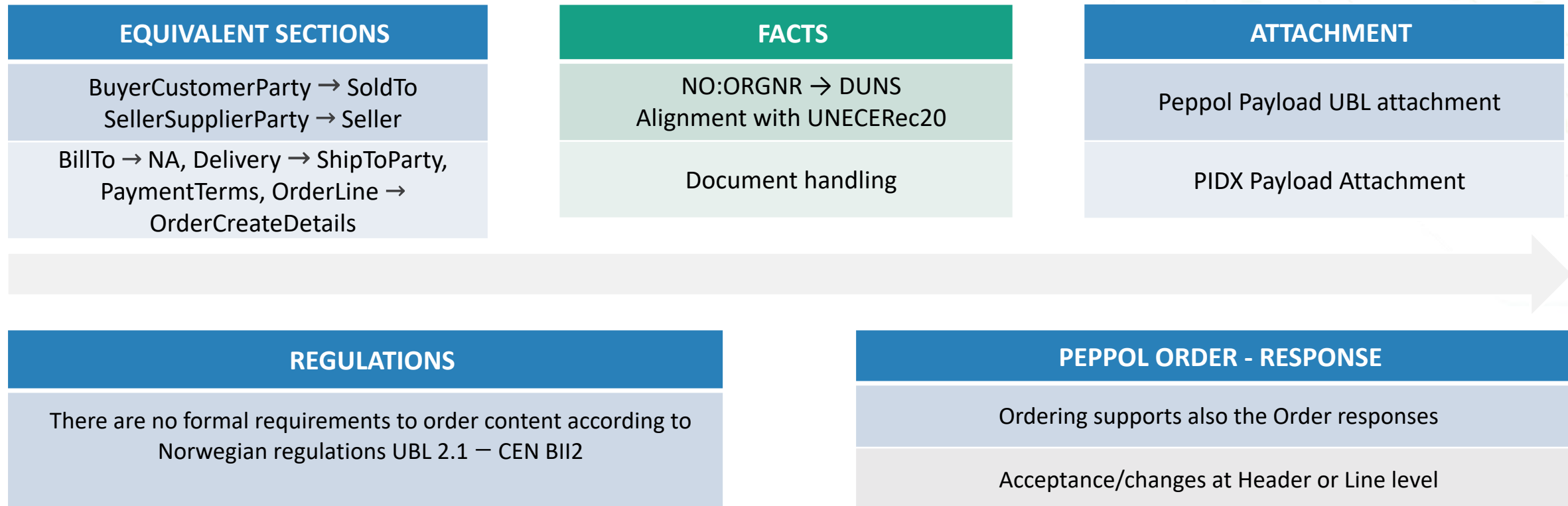
## PIDX INVOICE To PEPPOL EHF 5a Billing

| EQUIVALENT SECTIONS  | FACTS  | RESPONSES & ATTACHMENT                         |
|--|--|--|
| Seller → AccountingSupplierParty<br>BillTo → AccountingCustomerParty   | DUNS → NO:ORGNR (TAX ID) (Routing)   | Invoice Response from Access Point validations |
| RemitTo → Payment Means<br>InvoiceLineItem → InvoiceLine   | InvoiceTypeCode listID="UNCL1001">380<<br>DocumentCurrencyCode listID="ISO4217">NOK< | PIDX - PEPPOL Payload Attachment – B64         |
| MASTER DATA  |  |  |
| TaxIdentifierNumber → NO:ORGNR \ NO:VAT → 123456789MVA<br>Bank Account → IBAN, BBAN Validated → NOK & USD, SWIFT-BIC | Unit of Measure → UNCECERec20<br>TAX Rate → TAX Category UNCL5305 - '0' → 'Z'        |  |

HEADER: peppol5a:ver2.0:extended:urn:www.difi.no:ehf:faktura:ver2.0

# PIDX & PEPPOL EHF 2.0 MAPPING KEY INFORMATION

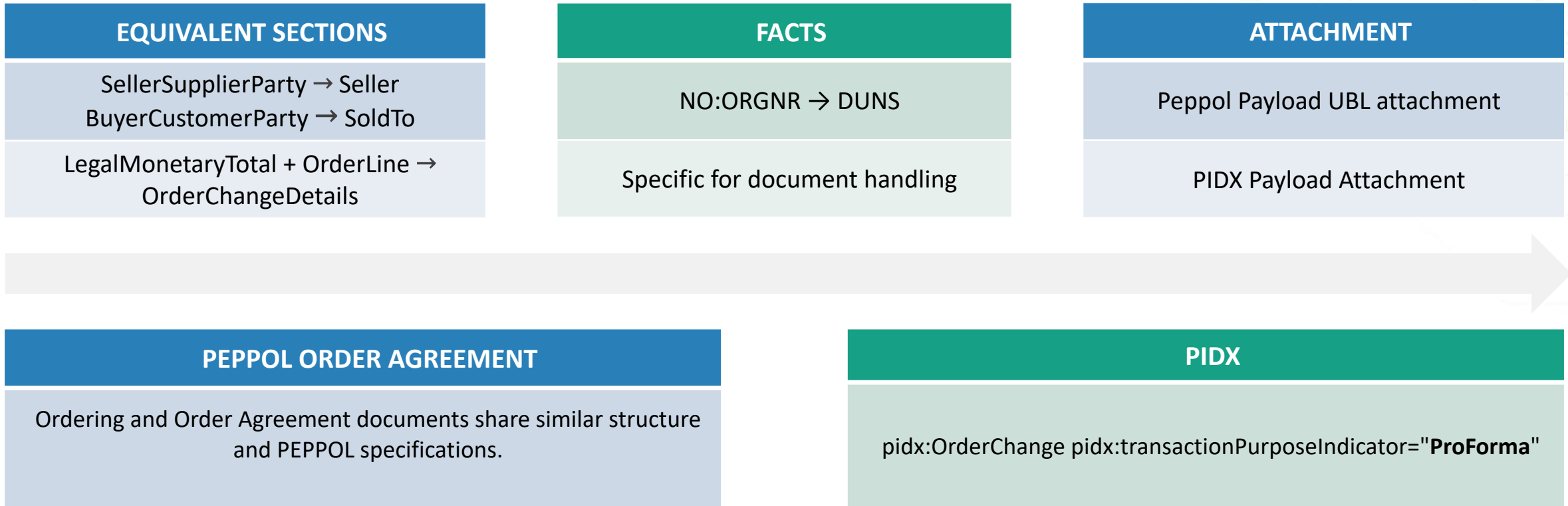
## PEPPOL EHF 28a Ordering 1.0 To PIDX ORDER



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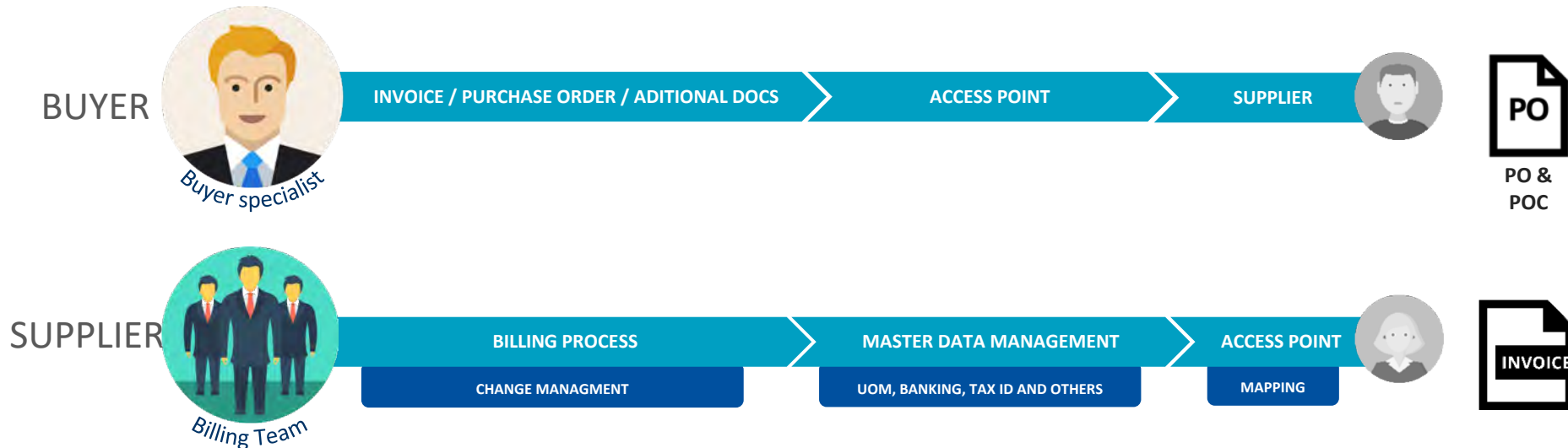
## PEPPOL EHF 42a Order Agreement To PIDX ORDER CHANGE



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# PIDX & PEPPOL LESSONS LEARNED

- ✓ Access Point Supplier should have Peppol experience in multiple countries
- ✓ There will be challenges with new Peppol releases - continuous development
- ✓ Access Point supplier must have PIDX knowledge
- ✓ Access Point long term relationship is very important
- ✓ PIDX can be used to deploy PEPPOL, Fiscal Electronic Invoicing and others





# Thank you!

