

OpenPeppol Cross- Community Plenary session

20.10.2020

Net-meeting, 09:00 – 11:00 CEST





Agenda Items (1/2)

- 1. Welcome and introduction (André Hoddevik OpenPeppol Secretary General)
- 2. Overview State of the Association
 - a. State of the Association (André Hoddevik)
 - b. Status of Agreements Revision (André Hoddevik)
 - c. Peppol Continuous Transaction Control project CTC (Paul Killie)
 - d. Next events and meetings (André Hoddevik) Q & A
- 3. eDelivery Community (Martin Mane)
 - a. SML Planning
 - b. Specification Updates
 - c. DDTS Recap



Agenda Items (2/2)

- 4. Post-Award Community (Georg Birgisson)
 - a. Peppol International Invoice
 - b. Peppol BIS Release Maintenance
- 5. Pre-Award Community (Thor Steinar Møller)
 - a. Status on the Peppol BIS eForms
- 6. AoB close



2. Overview – State of the Association

- a. State of the Association
- b. Status of Agreements Revision
- c. Peppol Continuous Transaction Control project (CTC)
- d. Next events and meetings Q & A



2a. State of the Association

Presented by André Hoddevik



Peppol in Fall 2020 – A lot to celebrate

- Growth continues despite the pandemic the 20% annual growth target is likely to be met
- Two new Peppol Authorities (Greece and Iceland) first ones in Europe since 2017
- New countries from all over the world discuss adopting Peppol
- The new Agreements and the Peppol Interoperability Framework close to completion
- There is a potential to introduce new technologies in Peppol and at the same time introduce Peppol in new industry sectors



Main Activities and projects in development

- Peppol Continuous Transaction Controls (CTC)
 - Gather business requirements for the most optimal CTC model
 - Develop a solution architecture and specifications for a Peppol CTC model and run a PoC
 - CTC discussions bring us closer to countries that consider Peppol for elnvoice distribution because it solves the end to end gap or the interoperability problem standalone CTC creates
 - Elevated international image and profile of Peppol projected world-wide
- Peppol International Invoice
 - Use EN16931 and the Peppol BIS Billing 3.0 CIUS as starting point for a global standard
 - Enable interoperability between parties operating in countries with different indirect tax regimes
- Peppol Agreement Framework
 - New agreements approved in 2020, will enter into force in 2021
 - Enables use of the Peppol Network in new domains



OpenPeppol Membership

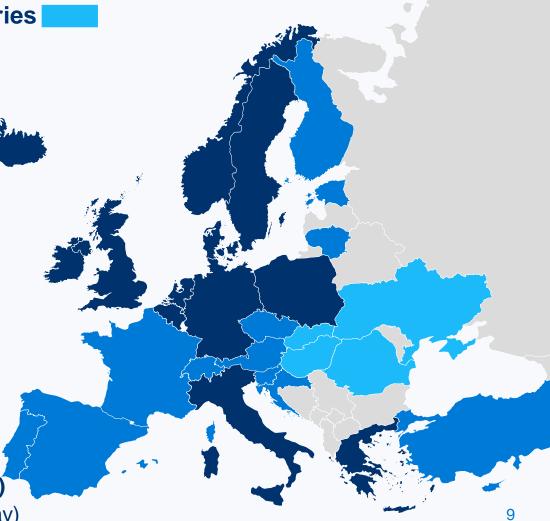
449 OpenPeppol members and observers from 37 countries

302 certified APs from 31 countries



15 Peppol Authorities

- Agency for Digital Government (Sweden)
- 2. Agency for Digital Italy (Italy)
- 3. Australian Taxation Office (Australia)
- Coordination Office for IT Standards (KoSIT) Free Hanseatic City of Bremen (Germany)
- 5. Danish Business Authority (Denmark)
- 6. Department of Health and Social Care (UK)
- 7. Department of Public Expenditure and Reform (Ireland)
- 8. Federal Public Service Policy and Support (Belgium)
- 9. General Secretariat of Information Systems (Greece)
- 10. Info-communications Media Development Authority (Singapore)
- 11. Ministry of Business Innovation and Employment (New Zealand)
- 12. Ministry of Economic Development (Poland)
- 13. Ministry of the Interior and Kingdom Relations (Netherlands)
- 14. Norwegian Agency for Public and Financial Management (Norway)
- 15. Financial Management Authority (Iceland) *formal approval by MC pending





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 has shown a strong interest in becoming the next Asian Peppol Authority





Peppol going global

- South-East Asia
- Trans-Tasman region
 - New Zealand and Australia new Peppol Authorities in 2019
 - The two countries coordinate and align their requirements
 - Live from December 2019
 - In 2019 Australia announced a central government 5 day payment guarantee when invoiced electronically (via Peppol)
 - In September 2020 Australia announced an action mandating the adoption of electronic invoicing by 1 July 2022 for all Commonwealth government agencies to encourage greater adoption amongst businesses supplying to government and within their supply chains, and to consult on options for mandatory adoption of einvoicing by businesses







Peppol going global

- South-East Asia
- Trans-Tasman region
- North-America
 - US: The Business Payments Coalition is leading a 3-year effort to explore the feasibility of developing and implementing a standard, ubiquitous B2B electronic invoice and processing platform similar to ones that have been developed in other countries
 - The BPC technical assessment heavily influenced the GIF concepts.
 For the validation exercise, the BPC followed the GIF principles and best practices, and will work towards a fully compliant GIF instance
 - Canada: Feasibility study currently being undertaken by Canada Revenue Agency which aims to identify and evaluate opportunities to improve the effectiveness of tax compliance and taxpayer experience by harmonizing tax reporting with financial/physical supply chain processes
 - Canada Revenue Agency has become member of OpenPeppol in the Observer membership category



GIF Overview - What is the GIF



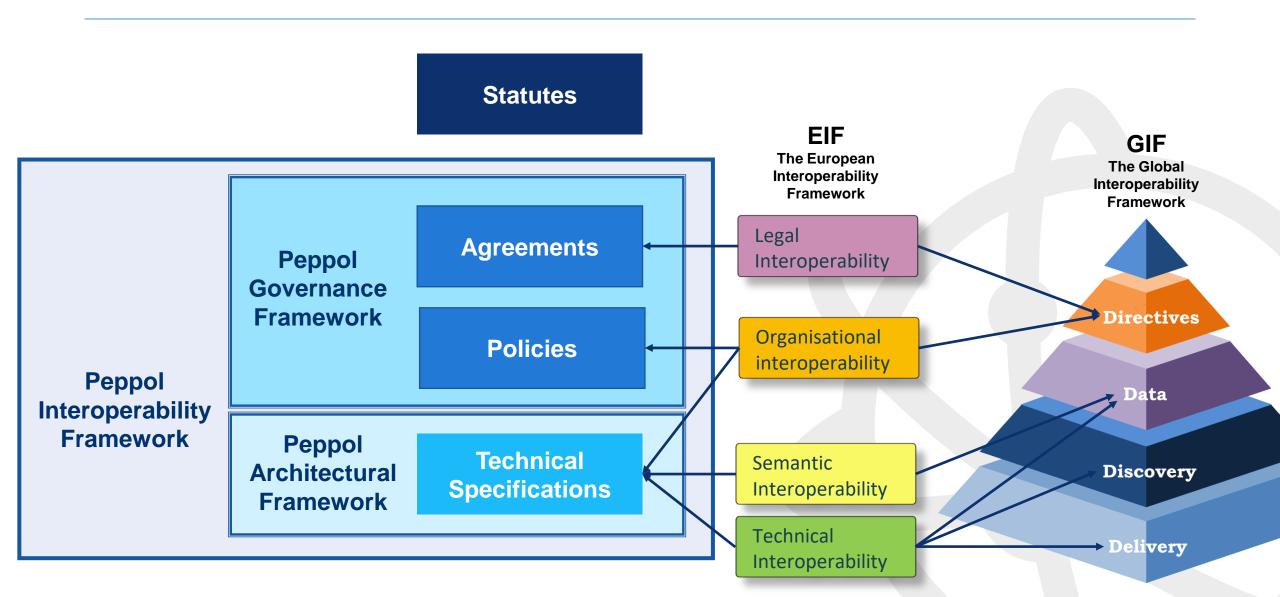
- ▶ The GIF a set of recommended practices, policies, standards and guidelines
- It is a **neutral** vehicle
 - To guide the creation of individual interoperability networks (global, regional, national, sectoral) based on open collaboration
 - ▶ That supports buyers and suppliers to embrace digital business
 - ▶ That will help service providers to meet their customer's requirements
- It identifies common interoperability artefacts
 - ▶ That are proven, fit-for-purpose, robust, secure and can be supported and deployed irrespective of location
 - That will deliver faster implementation of network and end-user connections.
- ► Importantly ... the GIF is **NOT**:
 - ▶ A proposal for a single global or a physical network
 - ▶ A solution in every situation

What Is this all about?

- ► A group of associations came together in 2019/2020
 - Connect ONCE (USA),
 - EESPA (EU),
 - OpenPeppol (EU)
 - ▶ The Business Payments Coalition (USA).
- ▶ To address common challenges
- And to explore the establishment and adoption of a Global Interoperability Framework (GIF)



The link between GIF, EIF and Peppol





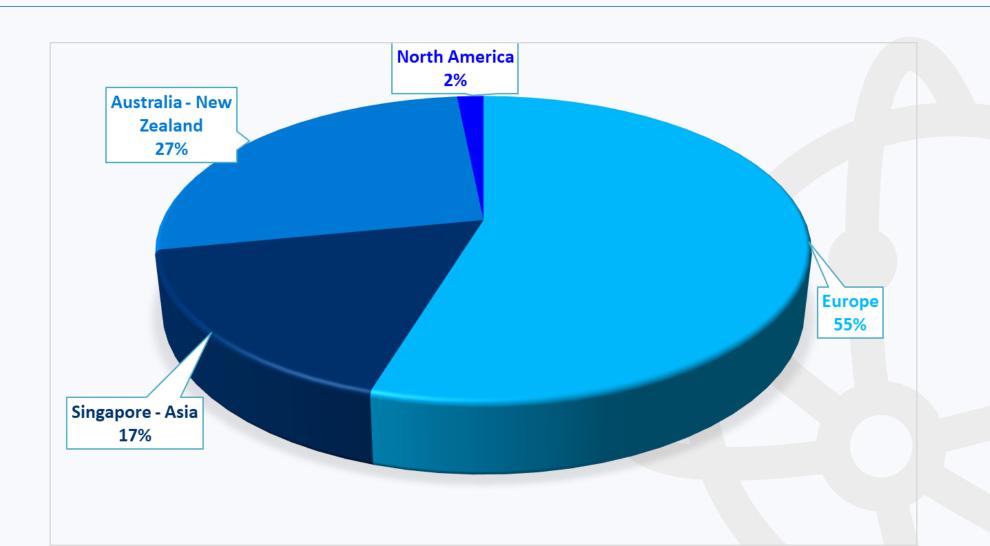
Membership Status – 19.10.2020

Category	End 2019	Today	Net Growth	% YTD		lized % TD	2019 Growth		
	2013				Net	%	Net	%	
Total Number of Members	385	449	64	16,62%	80	20,78%	79	25,82%	
Certified APs	268 (+1 EC)	302 (+1 EC)	34	12,69%	43	15,86%	58	27,62%	
Countries with Members	34	37	3	8,82%	4	11,03%	2	6,25%	
Countries with Certified APs	31	31	0	0,00%	0	0,00%	4	14,81%	
Peppol Authorities	13	15	2	15,38%	3	19,23%	2	18,18%	
AP Providers	340	405	65	19,12%	81	23,90%	72	26,87%	
SMP Providers	125	159	34	27,20%	43	34,00%	32	34,41%	
Pre-Award SPs	10	13	3	30,00%	4	37,50%	3	42,86%	
End Users	13	15	2	15,38%	3	19,23%	3	30,00%	
Observers	9	10	1	11,11%	1	13,89%	6	200,00	



Membership Net Growth per Region

More than 1/2 of the growth comes from Europe (55% - 35 Members)





Top countries in growth (Global)

Ranked by absolute numbers

Country		Number of	Members	Net	% Net
	Country	31.12.2019	Today	Growth	Growth
1	Australia	12	28	16	133,33%
2	Singapore	23	34	11	47,83%
3	Germany	25	34	9	36,00%
4	Sweden	31	39	8	25,81%
5	Italy	44	51	7	15,91%
6	Croatia	2	4	2	100,00%
7	Netherlands	34	36	2	5,88%
8	UK	24	26	2	8,33%



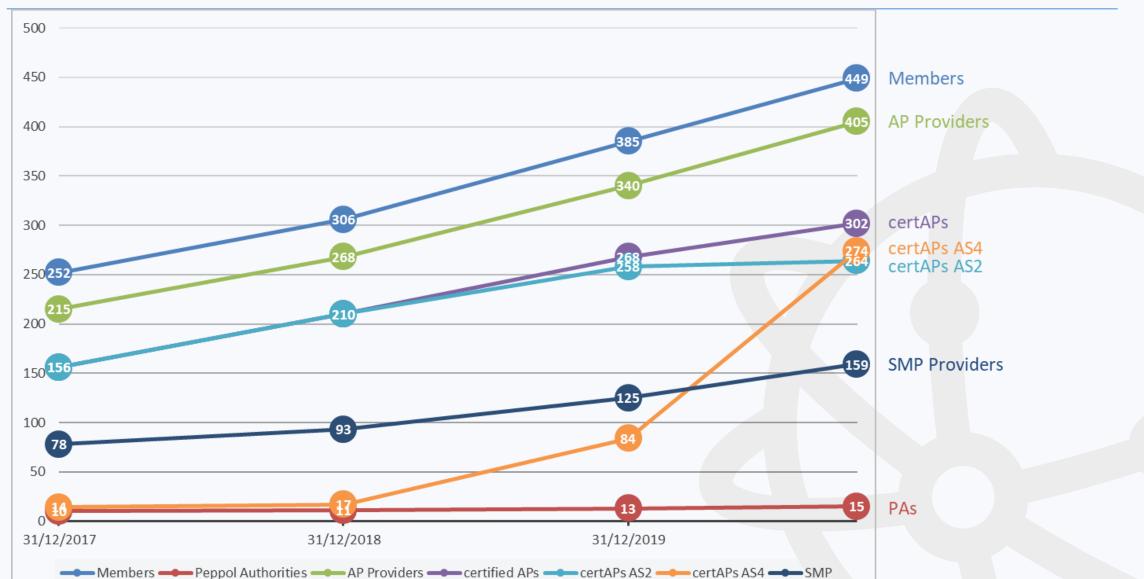
Top countries in membership (Global)

Ranked by absolute numbers

	Country	Number of Members					
1	Norway	56					
2	Italy	51					
3	Sweden	39					
4	Netherlands	36					
5	Germany	34					
6	Singapore	34					
7	Australia	28					
8	Belgium	26					
9	UK	26					
10	Denmark	20					



Membership Status per Year





2b. Status of Agreements Revision

Presented by André Hoddevik

High level status



Revised agreement documents approved on July 13, 2020

 In line with the provisions of the Peppol Transport Infrastructure Agreement, the revised agreements documents were formally approved by the Peppol Authorities on July 13, 2020.

Supporting policy documents under preparation

- The full set of policy documents were distributed for a first review, which closed on September 11th. Nearly one thousand individual comments were received.
 - https://openpeppol.atlassian.net/wiki/spaces/AF/pages/1191411733/Agreements+Migration+work+in+progress
- Currently a Task Force of Peppol Authorities is working on the update of the policies, together with the Operating Office (OO).
- Updated versions of the policy documents are expected to be made available for a second review early November with an aim for final approval in December 2020.

PA specific requirements available for information

 https://openpeppol.atlassian.net/wiki/spaces/AF/pages/1492025345/PA+Specific+Requirements+-+public+view



Migration to the new agreements

Timeline as agreed by the Managing Committee (MC) on October 6th

- PA Specific Requirements
 - Made available for information and review
 - Feedback under discussion amongst PAs
- A second review of policy documents planned during November – aiming for their approval by end of 2020
- Implementation of new agreements during 1st half of 2021
 - All old agreements terminated by September 1, 2021

 July 13 	PA voting on new agreement documents closed (T1)
PA Specifi	c Requirements
 Sept 20 	Compliance review of PA specific requirements completed
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- Dec 18 All PA Specific Requirements approved by MC
 Policy documents
- Sep 11 Deadline for first review comments on policy documents
- Nov 10 Initiate second review of policy documents
- Nov 30 Deadline for 2nd review comments
- Dec 18 Supporting policy documents approved by MC

Signing PA agreement

- Jan 20 Most PAs have signed new agreement (T2)
- Feb 1 Common effective date for PA Agreement
- Feb 20 All PAs have signed new agreement

Signing SP Agreement

- Feb 20 Critical mass of SPs has accepted/signed new SP Agreement
- Mar 1 Termination notice sent to the remaining SPs (T3)
- Apr 1 Common effective date for SP Agreements
- Sep 1 All old agreements terminated (T4)

Activity	Jul	Aug	Sep	Oct	Nov	Dec	Jan '21	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Formal approval process															
PA specific requirements			\Diamond			\Diamond									
1st review of policy documents			\Diamond												
2 nd review of policy documents					\Diamond	\rangle									
Signing PA agreement							\Diamond	\Diamond							
Migration of SP agreements								\Diamond	\Diamond	\Diamond				<	\Rightarrow



2c. Peppol Continuous Transaction Control project (CTC)

Presented by Paul Killie



Peppol Continuous Transaction Control (CTC) project

The Peppol CTC project covers the following high-level steps:

- Incorporate CTC practice principles from International Chamber of Commerce
- Understand the business requirements of tax administrations
- Review existing CTC models and implementations
- Develop an architecture to meet the needs of tax administrations and businesses
- Implement the selected architecture through a Proof-of-Concept test
- Develop a business plan for Peppol CTC to enter into production
- Implement Peppol CTC in a production environment



CTC practice principles from ICC

According to the International Chamber of Commerce (ICC) Practice Principles for the Implementation of Continuous Transaction Controls (CTCs)

CTCs enable law enforcement agencies such as tax administrations, to collect
data associated with business activities that are relevant to the exercise of their function.
Such data is obtained directly from business transaction processing and/or data
management systems, in real-time or near-real-time.

The ICC has established the following principles

- Balance, including economic benefits, flexibility, automation
- Efficiency, including harmonisation, consistency, interoperability, once-only
- Having a holistic and long-term strategy
- Cooperation between the public and private sectors
- Data protection and data privacy
- Minimised trade impact and non-discrimination

Peppol analysis of CTC models and target CTC model

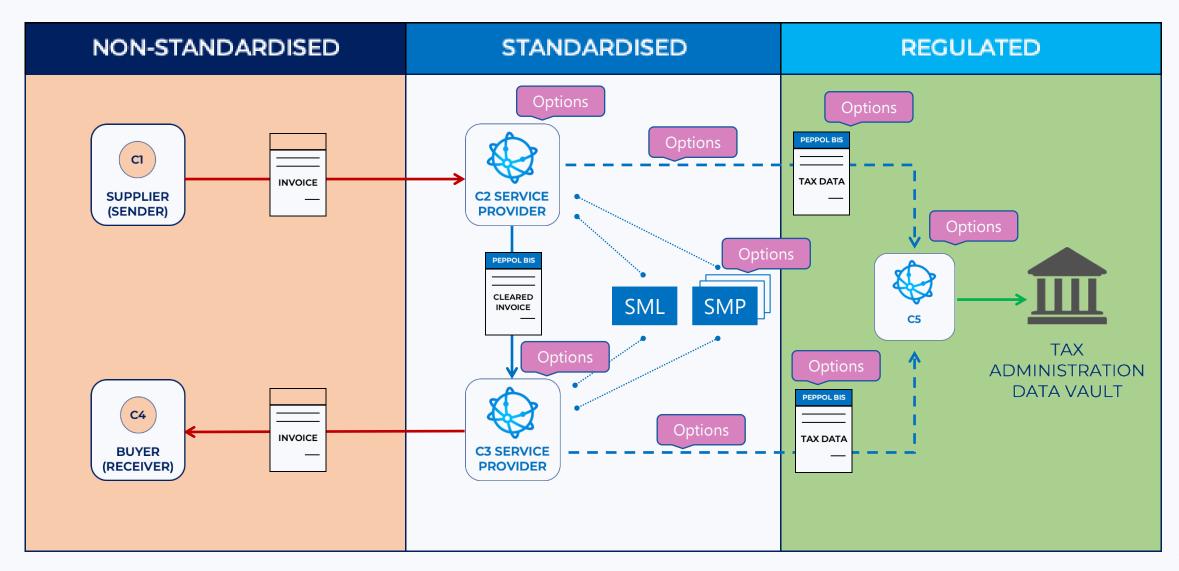


Key requirements (From ICC principles, tax administrations and best practice)	Inter operability	Real time reporting	Centralised invoicing	Clearance (centralised or delegated)	Target Peppol CTC model
Improved tool(s) to prevent and combat tax evasion	possible	✓	✓	√	✓
Proportionality between tax controls and business processes	X	possible	X	X	✓
Tax data provided in real-time, only once	X	✓	✓	✓	✓
No single point of failure	√	X	×	✓ delegated X centralised	✓
Data security, protection, collection proportionality	✓	✓	X	X	✓
Incremental deployment, based on long-term holistic and scalable infrastructure	√	X	X	X	✓
Based on international, familiar or otherwise reusable standards, technologies or principles	√	X	X	X	✓
Harmonised and interoperable between different systems and jurisdictions	√	X	X	X	✓
Balance between trade impact, non-discrimination and sovereignty needs	possible	possible	possible	possible	✓
Balanced implementation costs and timelines	possible	possible	possible	possible	✓
Embedded in and aligned with broader digitalisation strategy	✓	possible	possible	possible	✓

Peppol CTC concept



(delegated clearance with regulated distribution)





Tax authorities advisory group

- Structured interview process developed to capture business requirements from participating tax authorities
 - Interviews with several Tax authorities around the world
 - Document business requirements
- Reference document created, which includes the following sections:
 - Description of base CTC models
 - Main principles of Peppol CTC model
 - Description of potential business requirements that are addressed in Peppol CTC
 - Peppol CTC architecture
 - Implementation considerations



Architecture and specifications

- Described in the Reference document:
 - Basing the architecture on the Distributed Clearance Model
 - Reusing the eDelivery components of Peppol
 - Working on defining a detailed CTC process for the following scenarios:
 - Domestic B2B
 - Cross border B2B
- Implementation and test
 - PoC phase 1 test technical specs with a 5th corner
 - PoC phase 2 test specifications with external partners



Overview from business plan workgroup

Deliverables: Final report and recommendations on the next steps

- Business requirements and stakeholder validation of business value
- Experiences and learning points from PoC
- Preliminary and final recommendations
 - Proposed changes to the Peppol Interoperability Framework Governance Components
 - Proposed changes to the Peppol Interoperability Framework Architecture Components
 - Proposed changes to software components
 - High level business plan for rollout

Timeline: Depending on previous workstreams

- Preliminary recommendations: based on business requirements & architecture specifications
- Final recommendations: incorporating learnings from PoC implementation



OpenPeppol CTC project timeline

Activity	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Business requirements											
Architecture and specifications											
Preliminary business recommendations											
Implementation and test (PoC)											
Report and high-level business plan											



2d. Next events and meetings

Presented by André Hoddevik



Next events and meetings

- Fall Cross-Community meetings eDelivery and Post-Award Joint Session
 - Focus on the International Invoice
 - Wed. Oct. 21st, 9:00 -11:00 CEST
- OpenPeppol at the Exchange Summit
 - Exchange Summit Europe Virtual Events 2020
 - Dedicated Peppol Session Discover new developments in Peppol
 - Wed. Nov. 11th, 10:00 12:00 CET
 - https://www.exchange-summit.com/virtual/schedule#register_now
 - Singapore event 2020 postponed to May 2021
 - Miami event 2020 postponed to Dec. 2021
- 13th OpenPeppol General Assembly
 - Date to be determined between late March and June 2021
 - May be conducted online





3. eDelivery Community

- a. SML Planning
- b. Specification Updates
- c. DDTS Recap



3a. SML Planning

Presented by Martin Mane



SML Planning

- CEF currently provide support for the SML
- A transition approach has been developed in the event CEF is unable to provide ongoing support for the SML
 - This transition is only anticipated to be activated if CEF is unable to provide ongoing support
- The transition approach would require a change to the SML domain name (edelivery.tech.ec.europa.eu)
 - This would be a breaking change for the entire network and likely need to be done as a 'big-bang' approach.
- At <u>minimum</u> a 3-4 month implementation period would be required
- No change in SML functionality or interfaces (other than domain name) are being considered as part of this transition however resilience and scalability may improve
- In parallel, a work group has been working on requirements for an 'SML 2.0' that would provide greater functionality, scalability and resilience than the current SML – work is currently paused and will recommence in the new year



3b. Specification Updates

Presented by Martin Mane



Specification Update

- eDEC CMB has been working hard to resolve a large number of 'old' tickets over the past 6 months
- As a result 3 updates to the codelist have been published since April v7.0, 7.1, 7.2
- Codelists can now be found on https://docs.peppol.eu/edelivery/codelists/
- A number of eDEC changes require updates to policies contained in Annex 4 of the TIA
- These changes have been consolidated to enable a single update and will be consulted on with the broader community shortly. This is planned to be done ahead of the implementation of the new agreement.
- Most proposed changes to the policy documents will be backwards compatible however a
 few will not be and require a lead time. The required 6 month notification period is
 expected to be sufficient however this will be explored as part of consultation.



3c. DDTS Recap

Presented by Martin Mane



DDTS Recap

- DDTS Dynamic Document Type Scheme
 - Required to support the Peppol International Invoice (PINT)
 - Supports international interoperability
 - Invoices used in one jurisdiction can be sent to, and understood by, receivers in all other jurisdictions
 - Requires changes to the 'Peppol Policy for use of Identifiers'
 - Will require changes by Access Points and Service Providers
- Consultation will commence soon



4. Post-Award Community

- a. Peppol International Invoice
- b. Peppol BIS Release Maintenance



4a. Peppol International Invoice (PINT)

Presented by Georg Birgisson

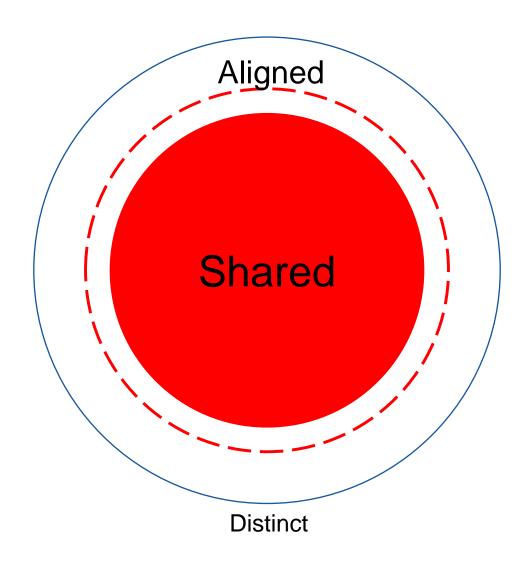


Project objective

- Provide an invoice specification that enables world wide interoperability in the Peppol network
- Current status
 - BIS Billing 3.0 is mandatory specification for Invoices
 - BIS Billing 3.0 is compliant with EN16931 which is based on EU Directives which don't apply in countries outside of the EU
 - Australia and New Zealand (AU-NZ), and Singapore are using extension on BIS Billing 3.0 which are not interoperable
- Solution
 - Modified invoice data model
 - Dynamic document lookup in the Peppol network



Data model



Shared

- Common for all domains. Minimum rules
- Sufficient for basic automations

Aligned

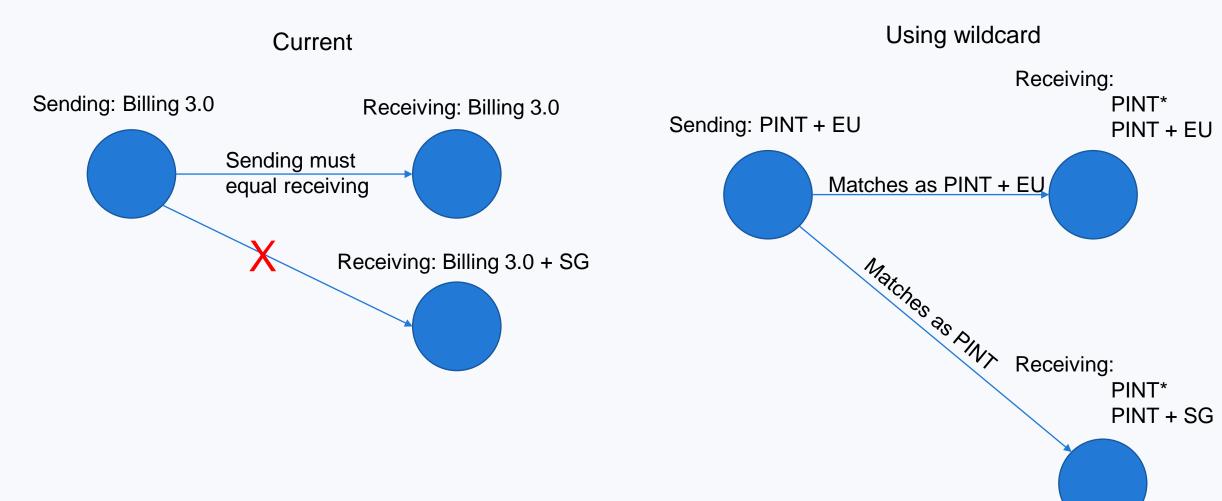
- Understood in general terms by all domains
- No rules
- Not optimized for automation
- Can be specialized for domain specific automation and compliance

Distinct

Only understood in the relevant domain



Dynamic Document Type Scheme





Potential Impact

- Domain specifications need to be modified to be based on PINT. Content expected to be unchanged.
- SMP would need to be modified to allow wildcard receiving capabilities
- Sender (C1) changes Customization ID
- Sending AP (C2) modifies lookup to use closest match
- Receiving AP (C3),
 - Acting as AP, no change
 - Acting as service provider, add receiving capability
- Receiver (C4), accept and process invoices from other domains
 - Automatic processing is ENABLED NOT REQUIRED

Peppol

Status

- Two teams on schedule
 - PoAC PINT team, developing data model
 - Scheduled to deliver at beginning of November 2020
 - eDEC DDTS team, developing new document type scheme
 - Scheduled to delivery by end of October 2020
- Next step is for OpenPeppol Managing Committee to consider impact and approval
- 18 months implementation project following approval
 - 2 months for PAs to adapt domain specific specifications
 - 7 months for SMPs and APs to implement necessary changes
 - 6 to 8 months for C4 to implement ability to receive international invoices
 - Followed by change of mandatory principle
 - 6 months for C1 to change sending to PINT
 - No decision on deprecation of current specs



Want more details?

- Please join us tomorrow
- Wednesday, October 21st



4b. Peppol BIS Release Maintenance

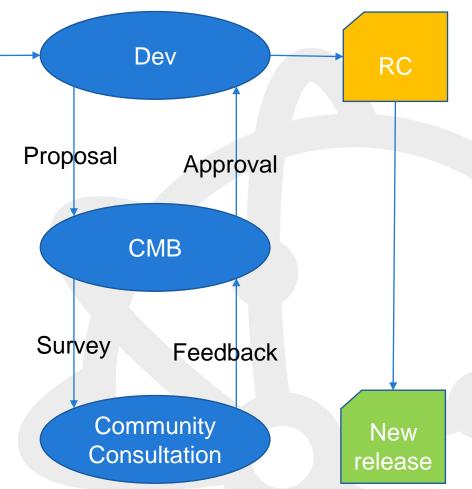
Presented by Georg Birgisson



Maintenance process



- RfC's only accepted through the Service Desk
 - Emails and meeting notes must be followed up with a formal request
- Service Desk forwards to PoAC Dev team, which evaluates and proposes a resolution
- PoAC Change Management Board, decides on proposals, consulting members
- Approved proposals are developed and tested
- Release Candidates can be Reviewed as developed
 - https://test-docs.peppol.eu/2020-Fall-ReleaseCandidate/poacc/billing/3.0/
 - https://test-docs.peppol.eu/2020-Fall-ReleaseCandidate/poacc/upgrade-3/





5. Pre-Award Community

a. Status on the Peppol BIS eForms



5a. Status on the Peppol BIS eForms

Presented by Thor Steinar Møller

Agenda – Status on Pre-study Peppol BIS eForms



1: What we are doing



2: How things are progressing



3: Preliminary thoughts on Peppol BIS eForms



Purpose and outcome



Investigate the feasibility and work required for developing one or more Peppol BIS eForms for publishing notices, based on eForms from DG Grow and the Publication Office



The pre-study report will be handed over to PrAC for further processing and decision for further development

We think there are several expected benefits from making a BIS based on eForms – but we are conducting a pre-study in order to conclude





OpenPeppol: new service offering, and synergies related to Peppol BIS ESPD



System implementors: making a Peppol BIS will standardise the implementations of eForms → reduced cost

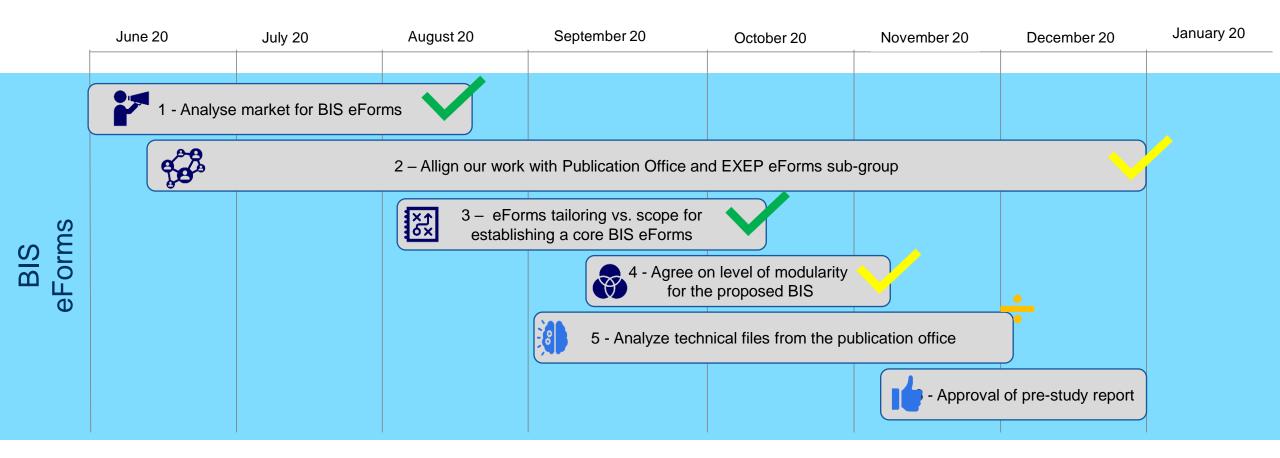


Economic Operators: easier access to notices \rightarrow more business opportunities



Contracting Authorities: access to broader supplier market > more competition

Suggested timeline BIS eForms pre-study

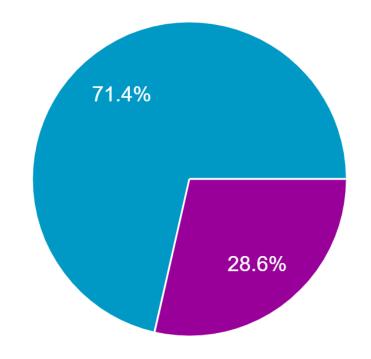


The format for notices should be based on EU-standards



Do you agree with the following statement? "The format for notices should not be proprietary, but based on EU standards."

14 responses (however 6 responders are national policy makers)



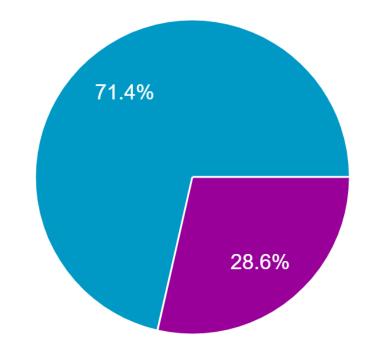




Data should be reusable

Do you agree with the following statement? "All data provided by notices should be reusable in subsequent process steps (e.g. ordering, invoicing, statistics)."

14 responses

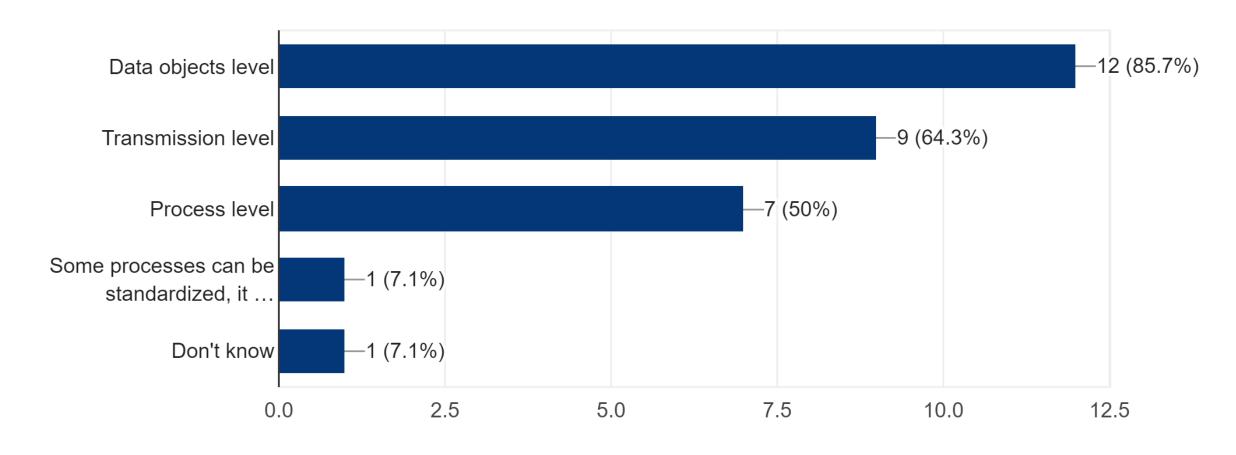






At which level should standardisation happen?

14 responses





Scope and prerequisites

- eForms are to be used throughout the Pre-Award domain, as well as during contract management (contract change and contract completion)
 - Main target is above EU-threshold procedures
 - National below threshold implementation is being considered by some Member States
- Implementation must follow Implementation Regulation 2019/1780
 - The EU Commission has provided an implementation handbook
 - Several optional fields that must be tailored on national level
- Publication Office will provide and exercise governance over eForms
- Publishing notices is a many-to-one and not really transactional

eForms consists of 6 notice types which form the basis for 45 forms



6 notice types

	Planning				Competition							Result			Contract (modification		Completi on
PM C	PIN profile	PIN only	PIN time limit	PIN CFC general	PIN CFC social	QS	CN general	CN social	subco	design	VEAT	CAN general	CAN social de	sign	Contra modifica		CC
ANY	D2 D2 D8 4 5 1	D2 D2 D8 4 5 1 OT	D24 D25 D81	D24 D25	D2 D2 D2 4 5 3	D25	D2 D2 D8 D2 4 5 1 3 OT	D24 D25	D81	D24 D25	D2 D2 D8 D2 4 5 1 3	D2 D2 D8 D2 4 5 1 3 OT	D2 D2 D2 4 5 3 D24	D25	D24 D25	D23	ANY

45 forms



Key objectives of BIS eForms



Publishing a notice is the de-facto starting point for tendering procedures



BIS eForms would help the standardisation of information using different tools throughout the processes – both above and below EU-thresholds



BIS eForms is one possible way for Contracting Authorities to publish to several databases



BIS eForms is a prerequisite in order to search across several notice databases



Potential approaches

- Develop Peppol BIS on notice-level
- Standardise the transaction, leave the payload to eForms
- Establish key principles for national extensions to cater for national tailoring
- Look to Peppol BIS Billing for governance examples



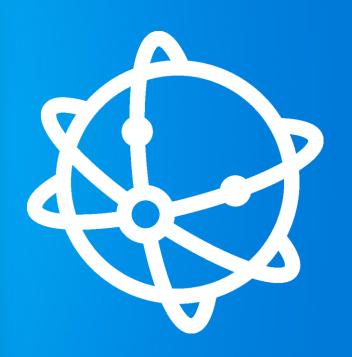
Remaining tasks:

- Consider gathering more market feedback
- Monitor work in EXEP eForms sub-group (tailoring and below-threshold)
- Describe how the Peppol architecture can provide value in a many-to-one-setting
- Estimate work required to develop Peppol BIS eForms
- Write up pre-study report









THANK YOU!

MORE INFORMATION

info@peppol.eu www.peppol.eu

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