

Peppol Service Provider Community
Regular meeting
June 8th 2021



Agenda

- 1. Peppol CTC model introduction to Service Providers
- 2. Peppol Agreement framework hot topics
- 3. AoB



Peppol CTC Service Provider Community meeting June 2021

OpenPeppol CTC project team Ahti Allikas (Reference Group) Paul Killie, DFO Nazar Paradivskyy, Pagero



Agenda

- Peppol CTC
 - Project overview
 - Scenarios
 - Architecture
 - Proof of Concept (PoC)
 - Next steps
- PoC invitation to Service Providers
 - Useful links and sources





Peppol CTC Project



Peppol CTC project

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

- review existing CTC models and implementations
- understand the business requirements of tax administrations
- incorporate CTC practice principles from International Chamber of Commerce
- 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 project organisation

Tax Authorities Advisory Group

Group Lead: Steve Graham

Owner
OpenPeppol MC
A Hoddevik

Res Owner
OpenPeppol OO
L Leontaridis

Project manager OpenPeppol OO Paul Killie

CTC Reference Group

Group Lead: Ahti Allikas

Workstream
Business
requirements

WS Lead: Steve Graham Deliverable Lead: Nazar Paradivskyy Workstream
Architecture and
Specifications

WS Lead: Bård Langøy Deliverable Lead: Bård Langøy Workstream Implementation and test

WS Lead: Bård Langøy Deliverable Lead: Bård Langøy Workstream Recommendations and business plan

WS Lead: Olivia Vorstheim
Deliverable Lead: Olivia Vorstheim

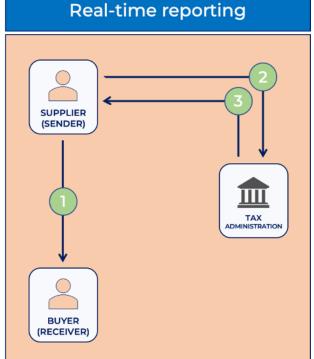


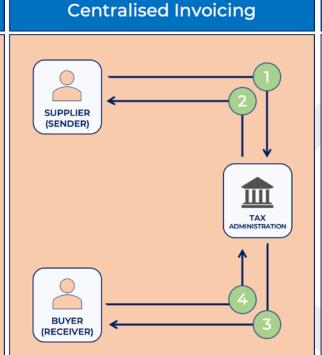
Overview of the primary CTC models in use

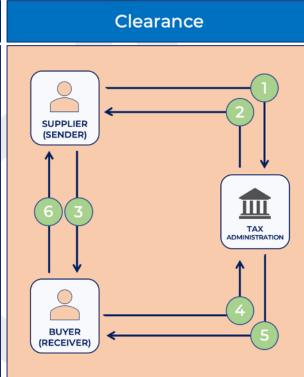
Foundation for CTC

Existing CTC models

Interoperability SERVICE PROVIDER **SUPPLIER** (SENDER) **BUYER SERVICE** (RECEIVER)







Interoperability facilitates postaudit SAF-T reporting Buyers and sellers may exchange data with the tax administration In real time using a tax portal, their ERP system or via Service Providers

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 singe 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	×	×	✓
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 scenarios



Peppol CTC scenarios

Primary scenarios

- Extension. Jurisdiction, that has already adopted Peppol Network for B2G and wants to extend Peppol CTC to both B2G and B2B transactions
- Greenfield. Jurisdiction, that has not adopted any CTC model and would like to implement Peppol CTC from the scratch for both B2G and B2B transactions

Other scenarios

 During the analysis of existing CTC models and discussions with Tax Administrations, the project group recognizes that there may be other scenarios how Peppol can be utilized for their CTC demands. No final position has been taken yet on the deviating use of Peppol CTC components.



Architecture

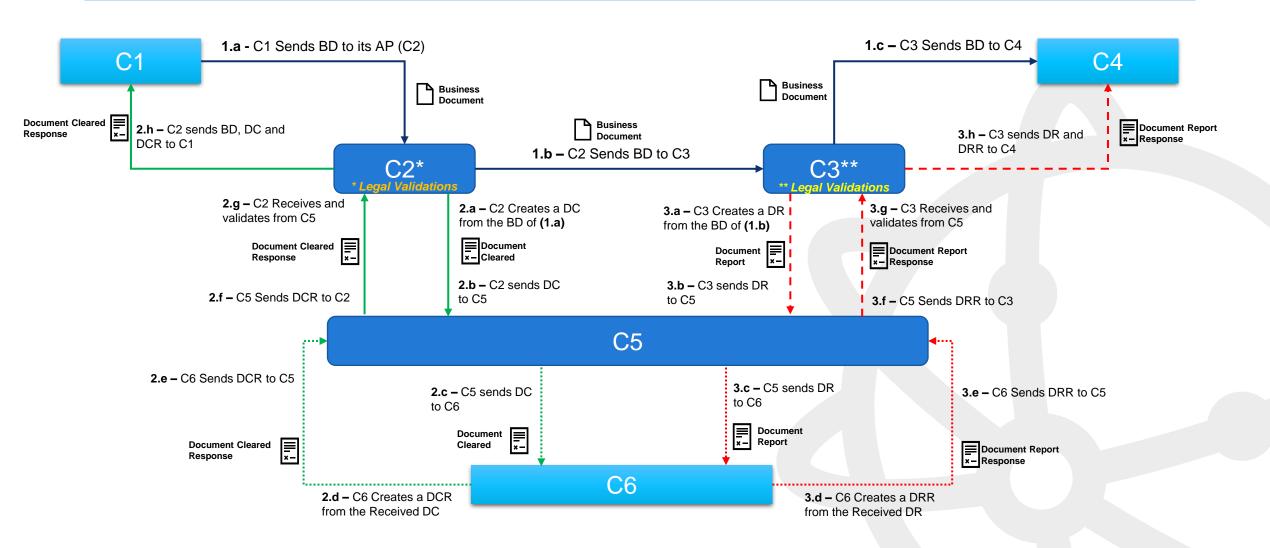


Peppol CTC – important new terms and elements

Abb.	Description	Additional clarification
СТС	Continuous Transaction Controls	 Peppol CTC provisions for real-time validation and reporting of information to a country's Tax Administration
CTC SP	CTC Service Provider	 Refers to C2/3 Service Provider that opted in and has been CTC certified by C6 (e.g. Tax Administration) to operate as part of the CTC infrastructure It is not mandatory for all SP's to become CTC certified
C 5	Tax Administration SP	
C 6	Tax Administration (default)	C6 could either have own C5 or outsource
BD	Any Business Document exchanged via the Peppol Network	 Peppol CTC will initially cover Invoice and Credit note, however, aimed to be extended to other BD, e.g. IR. As default, Peppol BIS
DC	Document Cleared	 As default, subset of the BD, but could be full BD. Created by C2 and transmitted to C5 As default, Peppol BIS
DR	Document Reported	 As default, subset of the BD, but could be full BD. Created by C3 and transmitted to C5 As default, Peppol BIS Optional feature
DCR	Document Cleared Response	 Created by C5 and transmitted to C2, upon successful reception of DC As default, Peppol BIS
DRR	Document Reported Response	 Created by C5 and transmitted to C3, upon successful reception of DR As default, Peppol BIS Optional feature
TDD	Tax Data Documents	Grouping name of all documents exchanged between C2/3 and C5/6: DC, DCR, DR, DRR



(1) Delegated CTC model with (2) regulated exchange

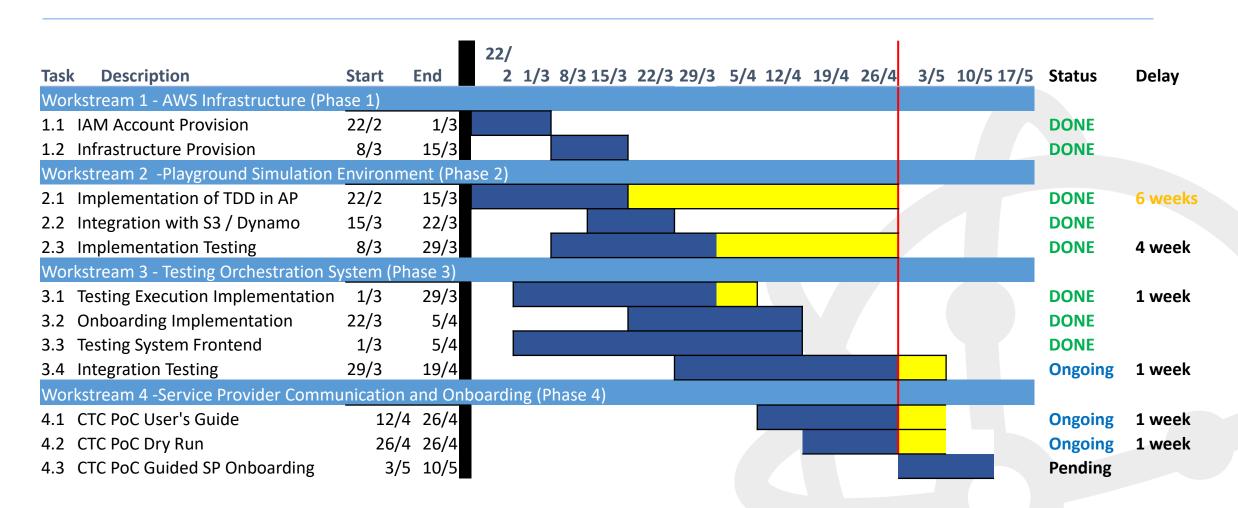




PoC playground



Implementation Plan – Current Status





Implementation Plan – Playground AP CTC Simulation

- Integration with AWS: DONE, On Time
- Implementation of CTC Flow: DONE (6-week delay)
 - Implementation of Business Document Exchange: DONE
 - Implementation of External Trigger (Integration with Orchestration Engine): DONE
 - Implementation of Document Clearance Simulation: DONE (6-week delay)
 - Delay due to Specification and architectural gaps.
 - Input provided to Architecture and Specification teams Issues Rectified.
 - Integration Testing: DONE, (4-week delay)



Implementation Plan – Test Orchestration System

- Testing Execution: DONE, On Time (Currently bug fixing)
 - Integration with AWS (SNS, S3)
 - Validation of Received Artifacts
 - Structured submission of Test Result
 - UI Fully Aligned
- Service Provider Onboarding Done, On Time (Currently bug fixing)
 - Support for External onboarding of C2, C3 and C5
 - Creation and Registration of Participant Identifiers and Required SMP Entries for specific Test Session
 - Registration of DCR Reception when C2 Onboarding
 - Registration of BD and DRR when C3 Onboarding
 - Registration of DC and DR Reception when C5 Onboarding
 - Automatic Cleanup
 - Fully Aligned UI

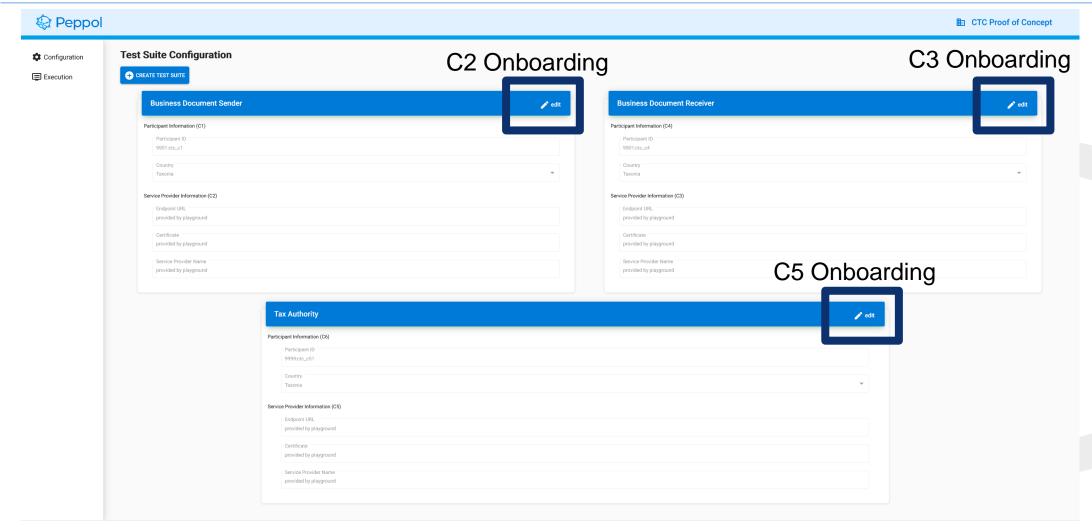


Service Provider Communication and Onboarding

- External Onboarding Dry Run: Done (2-week delay)
 - Onboarding of an external SP in a controlled environment
 - Correct any issues
 - Generate documentation material
- SP Onboarding Documentation: Done (2-week delay)
 - Fully document the onboarding process for each corner
 - Prerequisites for each corner
 - Onboarding process
 - Execution procedure
- PoC Environment Preparation
 - Deployment of stable components in Acceptance Environment: Done



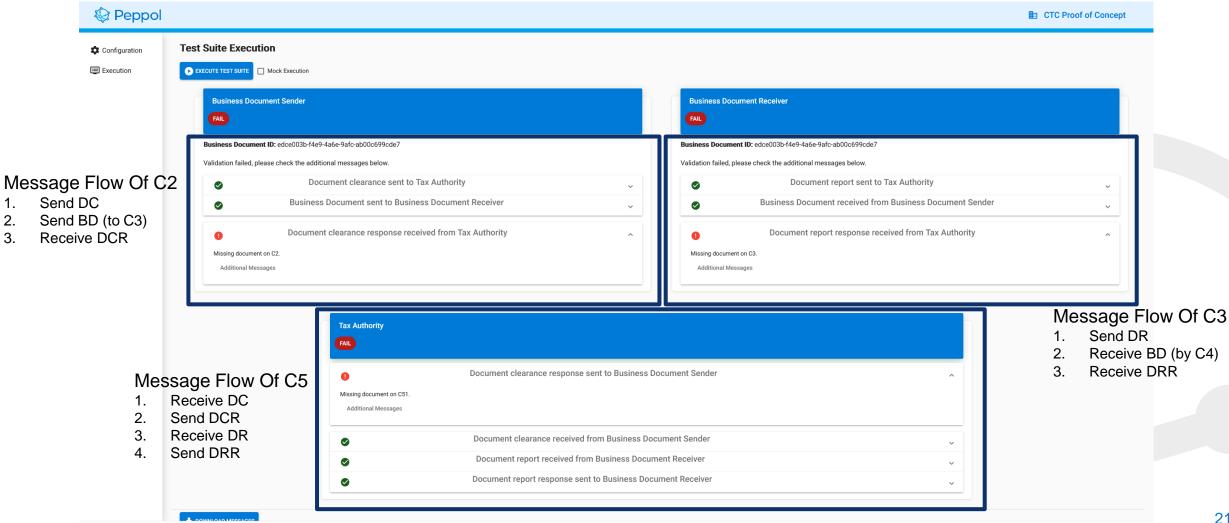
CTC PoC – Onboarding UI



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CTC PoC – Test Execution - Results





Next steps



Planned next steps in the project

- Short term:
 - Conduct playground simulations and testing with Tax Administrations
 - Conduct playground simulations and testing with Service Providers
- Long-term (indicative):
 - Create unified TDD specifications
 - Create unified CTC SP Certification requirements
 - Create unified CTC SP Audit requirements
 - Continue the work on Cross-Border scenario
 - Continue the work on inclusion of other BD's
 - Investigate possibilities to support B2C traffic
- Planning for Peppol CTC Service Domain



Service Provider PoC invitation and requirements



Service Provider requirements towards CTC

- Provide value added services to the customers be a single service provider for the customer in case of BD and TDD transfer
- Guaranteed data security for the customers
- Cooperation discussion between service providers and CTC authorities to achieve proportional and flexible solution
- Have standardized and harmonized model for CTC implementations internationally.
 - Provide data once
 - Interoperability
 - Sustainability and stability
 - Consistency
- Increase the awareness of elnvoicing as source of efficiency not as the source of tax collection improvement only
- Resolve the conflict between CTC and Peppol as delivery model



Useful links and sources



Useful links

- Peppol CTC project
 - https://openpeppol.atlassian.net/wiki/spaces/CPWGS/overview
- Peppol CTC Q&A page
 - https://openpeppol.atlassian.net/wiki/spaces/CPWGS/pages/2417262627/Questions%2BAnswers
- Reference document, POC User Guide, Specifications
 - https://openpeppol.atlassian.net/wiki/spaces/CPWGS/pages/2336260097/Peppol%2BCTC%2B Specifications



Next steps

• Questions?

• eMail <u>info@peppol.eu</u>

• Website <u>www.peppol.eu</u>





Peppol Agreement framework hot topics



Peppol Service Provider Agreement	Definition of End User and how it is applied across all documents.	Define Better
Peppol Service Provider Agreement	9.5.6 "Engaging with other Peppol Service Providers to resolve issues related to transfer of Peppol Dataset Types between them"	nHard to execute
<u> </u>	13.1 "The Parties affirm that they are fully aware of the terms of this process, and that they accept the applicability of this process to this Agreement without reservation provided, however, that the Internal Regulations and Operational Procedures at all times provide for a fair and open change process, and that no changes to this Agreement shall be determined with less than 75 % of the votes casted of the Peppol Authorities."	Why do only PAs vote?
Peppol Service Provider Agreement	17.4 The Parties agree and affirm that the performance of this Agreement as such does not create any joint controllership between them, nor any controller/processor relationship, and that both Parties shall act as independent data controllers as defined under applicable law, each bearing its respective responsibilities and liabilities independently. Any provisions in this Agreement that affect data protection compliance, including with respect to data retention, shall be implemented in relevant agreements applicable between the Peppol Service Provider and the End User.	
Internal Regulations	3.3.1 Peppol Service Providers shall ensure that the following information is known for all End Users (senders and receivers) to which they provide Peppol services:	About which end users
Internal Regulations	3.3.1 The information for KYC is exaturated	Too much information
Internal Regulations	4.3 Service Provider Reporting about End Users	
Internal Regulations	7.4.4 A Peppol Authority may make the use of the Peppol Directory mandatory for End Users which are legally based within its territorial jurisdiction	
Internal Regulations	4.4 - Reporting of statistical data.	
Internal Regulations	2.2.7 - Notice period required for minor releases of 2 weeks.	