

# Forum National de la Facture électronique GT Interopérabilité

DCTCE POC France

**DOCUMENT DE TRAVAIL**

10/05/2023

# Participants

Entité	Correspondant	Correspondant	FNFE	POC Cert	Pres
@GP	Benjamin DIELEMAN		YES		P
ADVALVAS	Michel GILLIS		YES	YES	P
AGENA 3000	Vincent Bataille	Laurent BRAUD	YES	YES	P
ARTEVA	Patrick Cahurel	Fabienne DUCLOS	YES	YES	P
B2Brouter	Oriol Bausà	Oriol BAUSÀ PERIS	YES	YES	P
BASWARE	Mekki BEN OTHMAN		YES	YES	
Billit	Dirk Willekens			YES	P
CEGEDIM	Giles Warrot	Mathieu PAULAT	YES	YES	P
CEGID	Lamia JAAFAR		YES		P
COMARCH	Rafal TROJANOWSKI		YES		P
DARVA	Sebastien Claudel	Frédéric Lair	YES		P
DOCOON	Alban GIROUX		YES		
DocProcess France	Samira TMASSOULI		YES		
DOUGS	Leslie BREYNAT		YES		
DOXIO	Cédric BARLET	François GRANDJEAN	YES	YES	P
EPITHETE	Rémy DEUTSCHMANN	Olivier HELAL	YES		P
ESALINK	Eric Sarikan	Clément ULLA	YES	YES	P
Esker S.A.	Anna Mevellec	Michael WALTHER	YES	YES	P
FacNote	Hassen CHEHIBI		YES		
GENERIX	Riquier MAIRESSE		YES		
INPOSIA Solutions GmbH	Andreas MILZ		YES	YES	P
IOPOLE	Nicolas Saudemont	Dorian Keiflin	YES	YES	
Markant	Eliane Mattern	Aniela MARTIN	YES		P
mySupply ApS	Jesper Larsen			YES	P
Pagero AB	Frédéric Mercier	Bård Langøy	YES	YES	
PENNYLANE, SAS	Chloé Antonucci	Stanislas DE VILLOUTREYS	YES	YES	P
QUADIENT	Nicolas MALEN		YES		

Entité	Correspondant	Correspondant	FNFE	POC Cert	Pres
Septeo	Mauricio Julio	Sylvain ALBERTINI	YES	YES	P
SEQINO	Charles Foucque		YES	YES	
SERES	Alain REUTENAUER		YES	YES	P
SOVOS (Saphety Level)	Luis Santos		YES		P
SOVOS (TrustWeaver AB)	Cyril BROUTIN		YES		P
TACD CARTENA	THIERRY AMADIEU		YES		P
Taxilla Inc.	Bharath Chandra Reddy Muppidi			YES	
Tessi	Bruno Zaino	Fabien PIFFRE	YES		P
Tickstar AB	Hans Berg			YES	P
TIEKINETIX	Guillaume LEPELLEC		YES	YES	P
Tradeshift Belgium / Babelway	Mathieu Pasture	Elaine ROTHMAN	YES	YES	P
TRAFFIQX (B4 value.net GmbH)	Dieter Keller	Bahaa Eldesouky, Uwe Gibis			P
UnifiedPost Group	Jean-Pierre Gardille	Johan HELLEMANS	YES	YES	P
YOOZ	Jonathan Ouellet	Sylvain COUTURIER	YES	YES	P
EDICOM	Ana Belen Molina Salinas				P
PAGERO					P
FNFE-MPE	Cyrille SAUTEREAU				P
PEPPOL	Didier LOMBARD				P
EESPA EIN	Michel GILLIS				P
PEPPOL	Lefteris LEONTARIDIS				
PEPPOL	Oriol BAUSÀ PERIS				P
PEPPOL	Philippe HELGER				
PEPPOL	Jerry DIMITRIOU				
PEPPOL	Maria SIAPERA				

## ➤ Objectif

- ✓ Démontrer la possibilité d'une implémentation d'un modèle interopéré « natif », sur les principes du DCTCE, adapté au contexte France

## ➤ Un projet mené dans le cadre des travaux de rapprochement des réseaux interopérés de PEPPOL et EESPA (EIN)



Pan European Public Procurement On Line, est un ensemble d'artefacts et de spécifications permettant un échange interopéré de documents commerciaux entre acteurs économiques, exploités par des « Points d'Accès », membres d'OpenPeppol, sous gouvernance OpenPeppol ou via des autorités PEPPOL (par pays en général)



European E-invoicing Service Providers Association est une association de prestataires de services de facturation électronique et au delà (e-procurement, Financial supply chain), déployant son réseau (EIN) interopéré sur les même artefacts que PEPPOL et proposant une gouvernance au travers du MIFA : Multilateral Interoperability Framework Agreement.

# Depuis la dernière séance

- **Un encadrement du POC par une équipe PEPPOL / EESPA / FNFE-MPE**
  - ✓ Cadrage au sein de PEPPOL sur la gestion des certificats, l'UBL Enveloppe
  - ✓ Documentation et préparation de l'encadrement du POC
  - ✓ Organisation pour la distribution des certificats POC France (23 certificats distribués)
  - ✓ <https://openpeppol.atlassian.net/wiki/spaces/FP/overview>
  - ✓ Email : Peppol France PoC [frpoc@peppol.eu](mailto:frpoc@peppol.eu)
- **Premiers retours des membres, par équipes**
  - ✓ **SERES, CEGEDIM, AGENA3000, DOXIO, Pennylane**
  - ✓ **TESSI, UNIFIEDPOST**
  - ✓ **ESKER, TRADESHIFT**
- **A noter : message UBL\_enveloppe (à l'intérieur d'une enveloppe SBDH)**
  - ✓ UBL Attached\_Document

# DCTCE POC France – Point d’avancement



# Peppol

The future is open

## FrPoC

Project Meeting update for FNFE

10 May 2023

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

Peppol is owned by OpenPeppol AISBL

# PoC Participants

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1. Currently 41 SPS have committed to participating in the PoC
2. Of these 36 are member of the FNFE
3. 23 SPs have now received the Test Certificates
4. A small number of these have already established testing partners

Esker/Tradeshift

SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane

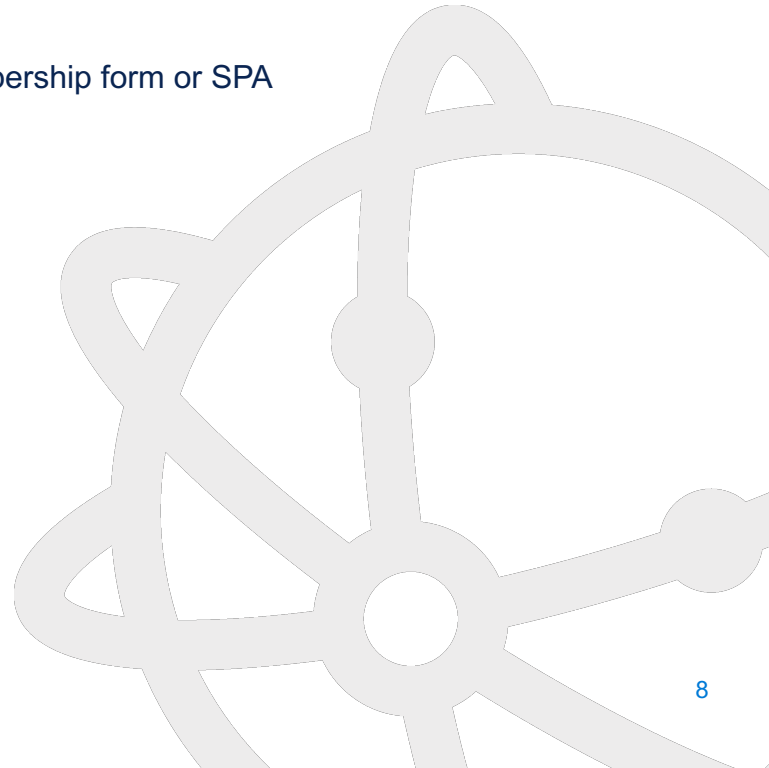
Tessi/Unified Post

**We will circulate information to members of the various Associations – participation remains open**

# Documentation - Status

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- PoC How to Guide
  - V0.7 uploaded 5 May
  - Minor changes to SMP - adding endpoint URL
  - Certificate requests – neglecting to attach their signed membership form or SPA
- PoC Handbook
  - V0.5 - updated 9 May
  - Adding clarity to envelope
  - Example SBDH Envelope attached
- PoC Scenarios
  - V0.2
- PoC Exchange and Results
  - V0.2
  - Adding endpoint URL
- PoC List of Participants
  - V0.15
- FAQ
  - V0.01 – uploaded 9 May
  - Initial Draft





# Technical

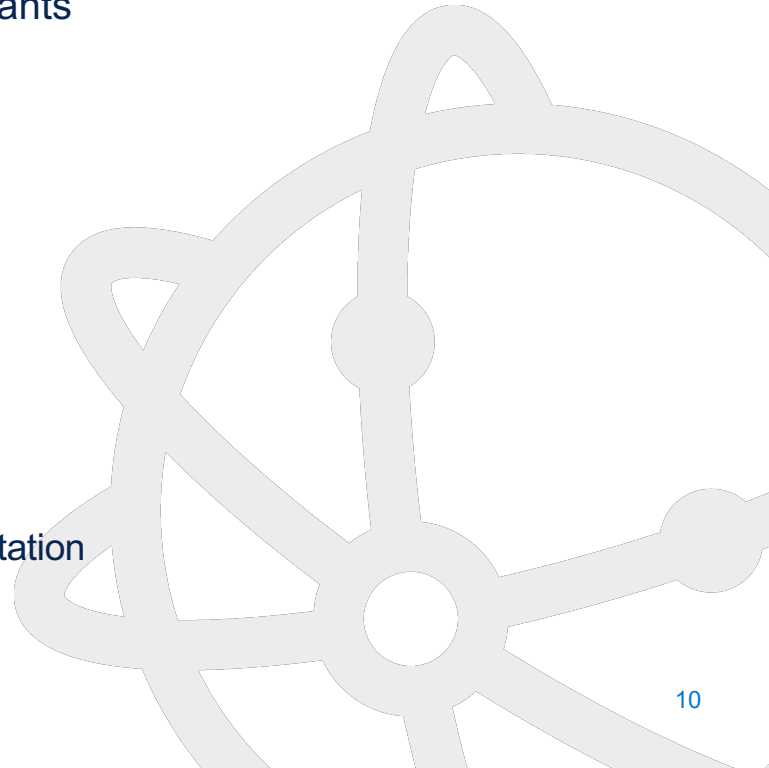
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1. PDPs will have dedicated AP certificates that allow them to identify each other and respective flows solely among PDPs
  - OpenPeppol will act as the Certification Authority and will issue the French PDP certificates to the participants in the PoC.
2. Envelope – will use a “minimal UBL envelope”
  - The envelope MUST be used for wrapping Factor-X and EDIFACT invoice formats and MAY be used for wrapping also already structured documents like the UBL and CII variants.
3. Use of SBDH wrapper will be required – this may need to be clarified in the Handbook
4. Document Identifiers have been decided and provided in the Handbook
5. For UBL or CII payloads, work is commencing on creating a Peppol French BIS (either in UBL or CII) containing the sending and receiving information. This work is being led by OpenPeppol and available for Phase 3
6. Issue with 0225 Document identifier approved for FrPoC SMK (issue with@)

# Technical - SMP

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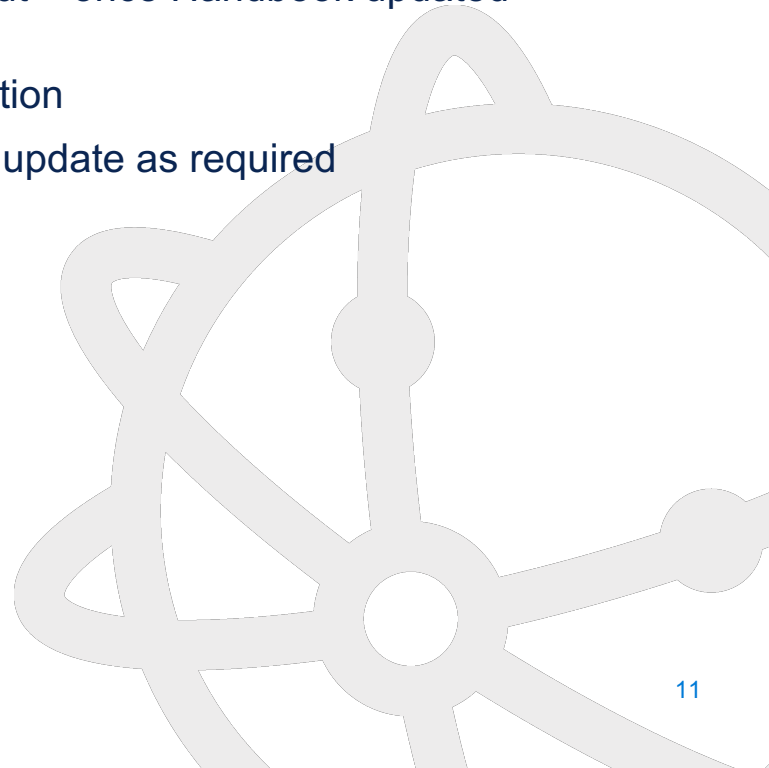
1. New SMP specific to the FrPoC which can only be updated by the OpenPeppol
2. Avoids mistaken and incorrect updates by the participants
3. Do not try and update directly
4. 4 Participants have sent in forms
  - Cegedim
  - Agena 3000
  - Pennylane – awaiting AS4 endpoint URL
  - Billit BV– awaiting AS4 endpoint URL
5. Technical Help
  - Use Slack
  - Use FrPoC email address
  - Confluence External Pages contains complete documentation



# Testing and Timelines

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1. Do not believe that any testing has yet been carried out – once Handbook updated should start
2. Delays due partly to clarify envelope and SMP population
3. Scenarios of following slides will need to reviewed an update as required
4. Possible Timelines for the Waves;
  - Phase 1 – end of May
  - Phase 2 – end of June
  - Phase 3 – end of August



# Testing Scenario – Phase 1

Invoice exchange and technical confirmations					
Phase	Scenario	Role	Description		
1	1.0	PDP-B	happy path	register receiving capabilities in SMP (UBL envelope)	
1	1.1	PDP-S	happy path	register receiving capabilities in SMP (MLR)	
1	1.2	PDP-S	happy path	as PDP-S SML/SMP address verification of PDP-B for customer	
1	1.3	PDP-S	happy path	as PDP-S send an invoice in one or more of the official formats to PDP-B	
1	1.4	PDP-S	happy path	as PDP-S send an invoice in optional format to PDP-B	
1	1.5	PDP-S	exception	as PDP-S process negative AS4 edelivery result	
1	1.6	PDP-S	exception	as PDP-S process negative status (technical reject)	
1	1.7	PDP-B	happy path	as PDP-B receive an invoice in official format from PDP-S	
1	1.8	PDP-B	happy path	as PDP-B receive an invoice in optional format from PDP-S	
1	1.9	PDP-B	exception	return negative AS4 receipt back to PDP-S (bad payload/certificate)	
1	1.10	PDP-B	exception	send negative MLR back to PDP-S (bad/error in attached invoice format)	

# Testing Scenario – Phase 2

Life cycle events in Phase 2					
Phase	Scenario	Role	Description		
2	2.0	PDP-S	happy path	register receiving capabilities in SMP (CDAR)	
2	2.1	PDP-S	happy path	as PDP-B send a Life Cycle update to PDP-C	
2	2.2	PDP-S	happy path	as PDP-B receive a Life Cycle update from PDP-C	
2	2.3	PDP-B	happy path	as PDP-S send a Life Cycle update to PDP-B	
2	2.4	PDP-B	happy path	as PDP-S receive a Life Cycle update from PDP-B	

# Testing Scenario – Phase 3

## Optional PoC extensions (advanced use cases)

Phase	Scenario	Role	Description	
3	3.1	PDP-B	exception	duplicate handling
3	3.2	PDP-B	happy path	initiate self-billing flow
3	3.3	PDP-S	happy path	process received self-billing
3	3.4	PDP-S	happy path	process credit note, corrective invoice, pre-paid, advance,...

## Optional PoC extensions (infrastructure)

Phase	Scenario	Role	Description	
3	4.0	PDP-S	happy path	register receiving capabilities in SMP (native UBL/CII)
3	4.0	PDP-S	happy path	use you own SMK/SMP
3	4.1	PDP-S	happy path	as PDP-S send an invoice in native UBL/CII format to PDP-B
3	4.2	PDP-B	happy path	as PDP-B process an invoice in native UBL/CII format from PDP-S

# Summary

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1. Finalising Documentation has taken longer than expected
2. Project Team is now complete
3. Certification process is now smooth
4. Technical solutions now understood and clearer
5. Technical support with dedicated email and Slack in place
6. Ready to start testing from 10 May (end of May completion)



No.	Trade Name	Country	Member Status	FNFE member	FR PoC Certificate	Post-Award Certificate	Contact Person Name	Additional Contact Person Name	Comments/Testing Partners
1	@GP	France	full pre-PoC	YES		YES	Benjamin DIELEMAN		
2	ADVALVAS	Belgium	full pre-PoC	YES	YES	YES	Michel GILLIS		
3	AGENA 3000	France	full post-PoC	YES	YES	YES	Vincent Bataille	Laurent BRAUD	SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane
4	ARTEVA	France	full pre-PoC	YES	YES	YES	Patrick Cahurel	Fabienne DUCLOS	
5	B2Brouter	Spain	full pre-PoC	YES	YES	YES	Oriol Bausà	Oriol BAUSÀ PERIS	
6	BASWARE	Finland	full pre-PoC	YES	YES	YES	Mekki BEN OTHMAN		
7	Billit	Belgium	full pre-PoC		YES	YES	Dirk Willekens		
8	CEGEDIM	France	full pre-PoC	YES	YES		Giles Warrot	Mathieu PAULAT	SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane
9	CEGID	France	NO	YES			Lamia JAAFAR		
10	COMARCH	Poland	full pre-PoC	YES		YES	Rafal TROJANOWSKI		
11	DARVA	France	PoC only	YES		YES	Sebastien Claudel	Frédéric Lair	Test Certificate to be provided
12	DOCOON	France	full pre-PoC	YES			Alban GIROUX		
13	DocProcess France	France	full pre-PoC	YES		YES	Samira TMASSOULI		
14	DOUGS	France	NO	YES			Leslie BREYNAT		
15	DOXIO	France	NO	YES			Cédric BARLET	François GRANDJEAN	SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane
16	EPITHETE	France	NO	YES			Rémy DEUTSCHMANN	Olivier HELAL	
17	ESALINK	France	PoC only	YES	YES		Eric Sarikan	Clément ULLA	
18	Esker S.A.	France	full pre-PoC	YES	YES	YES	Anna Mevellec	Michael WALTHER	Esker/Tradeshift
19	FacNote	France	NO	YES			Hassen CHEHIBI		
20	GENERIX	France	full pre-PoC	YES		YES	Riquier MAIRESSE		
21	INPOSIA Solutions GmbH	Germany	full pre-PoC	YES	YES	YES	Andreas MILZ		
22	IOPOLE	France	PoC only	YES	YES		Nicolas Saudemont	Dorian Keiflin	
23	Markant	Switzerland	full pre-PoC	YES		YES	Eliane Mattern	Aniela MARTIN	
24	mySupply ApS	Denmark	full pre-PoC		YES	YES	Jesper Larsen		
25	Pagero AB	Sweden	full pre-PoC	YES	YES	YES	Frédéric Mercier	Bård Langøy	
26	PENNYLANE, SAS	France	PoC only	YES	YES		Chloé Antonucci	Stanislas DE VILLOUTREYS	SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane
27	QUADIENT	UK	NO	YES			Nicolas MALEN		
28	Septeo	France	PoC only	YES	YES		Mauricio Julio	Sylvain ALBERTINI	
29	SEQINO (Axe Innovation SAS)	France	PoC only	YES	YES		Charles Foucque		
30	SERES	France	full pre-PoC	YES	YES	YES	Alain REUTENAUER		SERES, CEGEDIM, AGENA3000, DOXIO and Pennylane
31	SOVOS (Saphety Level)	Portugal	full pre-PoC	YES		YES	Luis Santos		
32	SOVOS (TrustWeaver AB)	Sweden	full pre-PoC	YES			Cyril BROUTIN		
33	TACD CARTENA	France	OBS	YES			THIERRY AMADIEU		
34	Taxilla Inc.	USA	full pre-PoC		YES	YES	Bharath Chandra Reddy Muppidi		
35	Tessi	France	NO	YES			Bruno Zaino	Fabien PIFFRE	Tessi/Unified Post
36	Tickstar AB	Sweden	full pre-PoC		YES	YES	Hans Berg		
37	TIEKINETIX	Netherlands	full pre-PoC	YES	YES	YES	Guillaume LEPILLEC		
38	Tradeshift Belgium / Babelway	Belgium	full pre-PoC	YES	YES	YES	Mathieu Pasture	Elaine ROTHMAN	Esker/Tradeshift
39	TRAFFIQX (B4 value.net GmbH)	Germany	full pre-PoC			YES	Dieter Keller	Bahaa Eldesouky, Uwe Gibis	
40	UnifiedPost Group	Belgium	full pre-PoC	YES	YES	YES	Jean-Pierre Gardille	Johan HELLEMANS	Tessi/Unified Post
41	YOOZ	France	PoC only	YES	YES		Jonathan Quellet	Sylvain COUTURIER	



# Quelques FAQ

## What SML/SMP to use

- We use the standard Peppol infrastructure
  - ✓ For acceptance environment this is called the **SMK**
- Participants are to be defined with the 0225 scheme id
  - ✓ There was an issue with this scheme id, but this has been solved



## How do I know I'm talking to a PDP?

- How then to differentiate PDP and 'regular' Peppol flows
  - ✓ We could have opted for a dedicated SML, but didn't
  - ✓ We could have opted for a new domain (Poacc->CTC), but didn't
  - ✓ **However, the certificate linked to the access point is specific for the PDP exchanges**
  - ✓ And for the PoC this is an answer to the requirements
- **But we can change our mind, as this is a PoC...**

# Who manages the administration of SML/SMP entries

- The Peppol project team does this
  - ✓ For this a standard SMP server is used
  - ✓ This SMP server is linked to the standard Peppol SMK
  
- What entries will be created by the Peppol team?
  - ✓ Receiving capabilities based on the Excel sheet provided by the participants
  - ✓ Also the endpoint URL needs to be provided (where the AS4 service is listening)
  - ✓ As well as the specific Peppol certificate

# Can I use my standard Peppol test certificate in the PoC?

- No, you can't
  - ✓ For the PoC a specific certificate is being used
  - ✓ This certificate has specific characteristics (see handbook)
- Where do I need to validate if a correct certificate is being used
  - ✓ When looking up a participant in the SMP
  - ✓ When receiving an AS4 request from a Peppol access point
- What happens when a wrong certificate is being used/accepted
  - ✓ The network integrity is broken



Peppol



EESPA

## Why do we use a SBDH in addition to UBL attached document

- **The SBDH in many AS4/Peppol solutions is not exposed to the end user/consumer of the services**
  - ✓ It is sometimes generated automatically
  - ✓ So we keep it for now to limit the impact
- **The UBL attached document allows for**
  - ✓ Party definition and 4 endpoint identifiers
  - ✓ Transaction type
- **A parallel team is investigating support of native UBL/CII transport**
  - ✓ So another reason not to touch on the SBDH

La Suite

# La Suite

## ➤ Faire les tests de la Phase 1

- ✓ Sur la base de la documentation fournie (y compris FAQ)

## ➤ Phase 2 : (CDAR) : attendre la publication des spécifications externes

- ✓ Pour savoir précisément comment utiliser le CDAR (où logger les statuts, quels codes utiliser, quelles données minimales nécessaires, comment qualifier des erreurs dans le bloc détail de statut, comment reporter des montants, ...)

## ➤ Phase 3 : peut être anticipée

## ➤ Prochain point : 7 juin 9h



# Fin

**F**orum **N**ational de la **F**acture **E**lectronique

et des **M**archés **P**ublics **E**lectroniques

# Structure d'un Message CDAR pour la Facture

ExchangedDocumentContext : Profil (Cadre de facturation), ID de type de message (urn...)	
ExchangedDocument	<ul style="list-style-type: none"> <li>ID, Nom Date, (Issuer, Sender), RECIPIENT (1..n) : Vendeur, PPF (via qualification)</li> </ul>
AcknowledgementDocument (1..n), utilisé en 1..1	<ul style="list-style-type: none"> <li>Indicateur AR unique (1 facture) ou Multiple (par exemple facture et avoir, Codetype : 294, <b>305</b>, 312, 23, Nom de l'AR, Date de l'AR</li> </ul>
	<p>ReferenceReferencedDocument Document = Facture Cardinalité 1..n, en général 1..1 (ou 1..2)</p> <ul style="list-style-type: none"> <li>IssuerAssignedId : N° de facture</li> <li>StatusCode : code statut de transmission : <b>43 : Reçu ; 8 : Rejeté, ...</b></li> <li>Line ID (si plusieurs Documents)</li> <li>Tycope : quel typecode de la facture : <b>380, 381, 386, ...</b></li> <li>ReceiptDate : Date de réception (et heure possible)</li> <li>Statut en texte : Reçu par PDP destinataire, Rejeté</li> <li>ProcessConditionCode : est le code statut PPF : <b>200 à 213, 1 à 96, 300 à 304</b></li> <li>ProcessCondition : est le statut en texte</li> <li>IssuerTradeParty : permet renseigner le fournisseur et de le qualifier</li> <li>SenderTradeParty, RecipientTradeParty : permet de signifier un changement de Bénéficiaire en le qualifiant (DL = Factor par exemple)</li> <li>Note</li> </ul>
	<p>SpecifiedDocumentStatus Détail de Statut (0..n), en général 0..1</p> <ul style="list-style-type: none"> <li>Date du Statut</li> <li>ReasonCode, ReasonText : Qualifie le type d'erreur</li> <li>RequestedActionCode, RequestedAction</li> <li>InvalidInformation, ValidInformation</li> <li>SequenceNumeric (si plusieurs détail de Statut)</li> <li>Note</li> </ul>
<p>SpecifiedDocumentCharacteristic (0..n)</p> <ul style="list-style-type: none"> <li>ID (code de la donnée : BT-150), Nom, Description</li> <li>Localisation (Xpath de la donnée)</li> <li>Valeurs à modifier, à reporter (montant)</li> </ul>	

# Fonctionnement PEPPOL pour le POC DCTCE

Factur-X A ENVOYER : Détection de l'adresse du destinataire

0225:20000008.00025.AcheteurCanal1

0225:22222226.00011.ProfileFx

http://smp-peppol.AP\_DEST.com/PDP\_DEST\_SET1

Annuaire National PPF

Translation d'adresse pour pointer sur un SET DE PROFILES PDP-DEST

SML

SMP

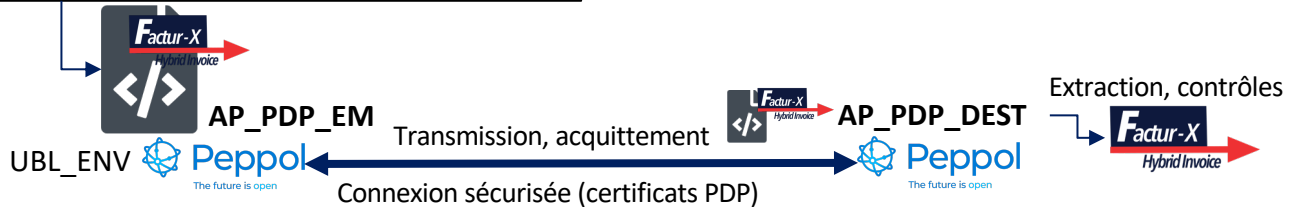
http://smp-peppol.AP\_DEST.com/PDP\_DEST\_SET1

Factur-X A ENVOYER : Création d'une enveloppe UBL « minimum », Factur-x attaché (base64)

```
...
<cac:ReceiverParty>
  <cbc:EndpointID schemeID="0225">22222226.00011.ProfileFx</cbc:EndpointID>
  <cbc:IndustryClassificationCode>BY</cbc:IndustryClassificationCode>
...
<cac:SenderParty>
  <cbc:EndpointID schemeID="0225">0225:11111118.00019.STATUSCDAR</cbc:EndpointID>
  <cbc:IndustryClassificationCode>SU</cbc:IndustryClassificationCode>
...
```

Liste les profils de PDP\_DEST\_SET1

- Invoice Profil 1 (UBL avec N° de Commande obligatoire)
- Invoice Profil 2 (Factur-x dans ENV UBL)
- ...



## Fonctionnement :

- PDP\_DEST renseigne l'annuaire national pour la translation d'adresse permettant une utilisation standard de PEPPOL
- L'UBL\_ENV permet de se mettre au mode de fonctionnement PEPPOL pour l'adressage (gestion des tiers)

## Point confirmés :

- UBL\_ENV : minimaliste => Message UBL « AttachedDocument »
- Comment s'assurer que la facture a bien été émise par une PDP quand elle relève du e-invoicing
  - ✓ Par des certificats dédiés PDP, et vérification de signature

# Passer au POC en pratique

- **Constituer des groupes (a minima des paires) de candidat POC DCTCE**
  - ✓ **CEGEDIM / AGENA3000 ; TESSI / UNIFIEDPOST ; ESKER / TRADESHIFT**
- **Définir les adresses de PDP**
  - ✓ 0225:SIREN.NIF.SET1 pour le profil SET1 (Factur-x), 0225:SIREN.NIF.SET2 pour profil EDIFACT ou UBL
  - ✓ 0225:SIREN.STATUS pour retour de statut
- **Alimenter le SMP/SML avec ces adresses**
- **Demander les certificats PDP à PEPPOL**
- **Définir des fournisseurs / clients tests, pour chaque Candidat PDP du POC**
  - ✓ Sur base de base de tests, avec des SIREN / SIRET « valables » (clés)
  - ✓ Créer des exemples de factures Factur-x, UBL, EDIFACT + UBL\_ENV correspondant
- **Procéder au test**
  - ✓ En simulant la translation d'adresse (le cas échéant faire une base de translation partagée)
  - ✓ Séquence
    - Emission de facture fournisseur => Client, UBL\_ENV
    - Idem, UBL\_ENV => xsd UBL AttachedDocument (cf lien oasis ci-dessous)
    - Emission d'une facture en Autofacturation
    - Retour de statut MLR (en cas de rejet technique) et CDAR (Prise en Charge, Approuvé, Refusé, ... Encaissement)
- **Faire un point mensuel en GT POC DCTCE => **Next 10 mai 2023, 9h****
- **<https://openpeppol.atlassian.net/wiki/spaces/FP/pages/3059941379/Project+Documentation>**
- **UBL 2.1 xsd : <http://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.zip>**