



Lightning Talk on

CEF, eInvoicing, Infrastructure & Funding possibilities

16 November 2017 Tallinn, Estonia

#ConnectingEurope

Topics

Introduction to CEF

CEF eInvoicing and our services

Infrastructure in coherence with CEF eInvoicing Christian Rasmussen, DIGIT D3

Funding & Grants for CEF including eInvoicing

Discussion

About me

Christian Rasmussen

Christian is an experienced eProcurement Expert specialized in the execution of large scale ICT projects with past experience from the Nordic region including Denmark, Norway and Sweden.

Christian has also been involved in the past EU-funded large scale pilots PEPPOL.eu and eSENS.eu as Work packager leader including focus on new eProcurement and eDelivery development.

1998 - 2001	Project Manager, CBS
2001 - 2005	Team Leader, EDImatic/KMD
2005 - 2006	Team Leader, Software Innovation
2007 - 2008	Senior PM, LEGO
2008 - 2011	Chief Advisor, Ministry of Science, DK
2011 - 2013	Chief Advisor, Ministry of Finance, DK
2013 - 2016	Chief Advisor, Ministry of Finance, NO
2016 - 2017	Chief Advisor, DTI

Other assignments, certifications

Experienced enterprise architect in TOGAF9.1

Certified Scrum Professional incl. Scrum Master and Scrum Product Owner

Six Sigma Green Belt

Prince2

Senior Advisor, External Reviewer – European Commission 2009 - present

Speaker - OECD, World Bank 2008 - present

Objectives of talk

Participants will learn about:

- CEF and our background, CEF eInvoicing and our services
- Infrastructure components in coherence with CEF eInvoicing
- Funding possibilities within CEF

Audience for this workshop

- Public authorities
- Private entities
- Policy makers
- Members of standardisation bodies
- eInvoicing implementers for:
 - Software services
 - Solution providers



1

What is CEF?

What is CEF?

connecting europe **TRANSPORT** €26.25bn **Digital** Service **Infrastructures** €970 M * **TELECOM** Broadband €170 M **ENERGY** €5.85bn

HOW IS IT REGULATED?

CEF Regulation

The Connecting Europe Facility (CEF) is a regulation that defines how the Commission can finance support for the establishment of trans-European networks to reinforce an interconnected Europe.

CEF Telecom Guidelines

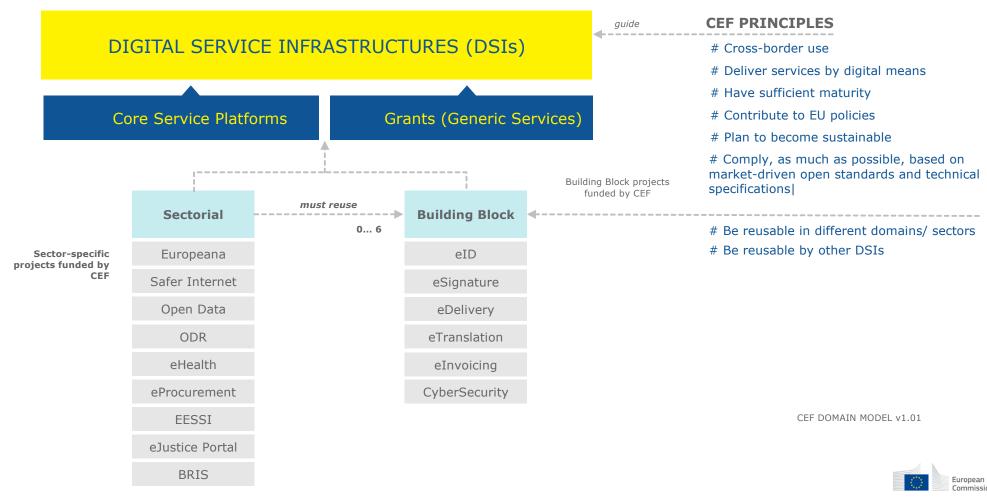
The CEF Telecom guidelines cover the specific objectives and priorities as well as eligibility criteria for funding of broadband networks and Digital Service Infrastructures (DSIs).

CEF Work Programmes

Translates the CEF Telecom Guidelines in general objectives and actions planned on a yearly basis.

* - 100 M Juncker Package

What are Digital Service Infrastructures?



^(*) A Building Block is a package of technical specifications, services and sample software that can be reused in different policy domains:

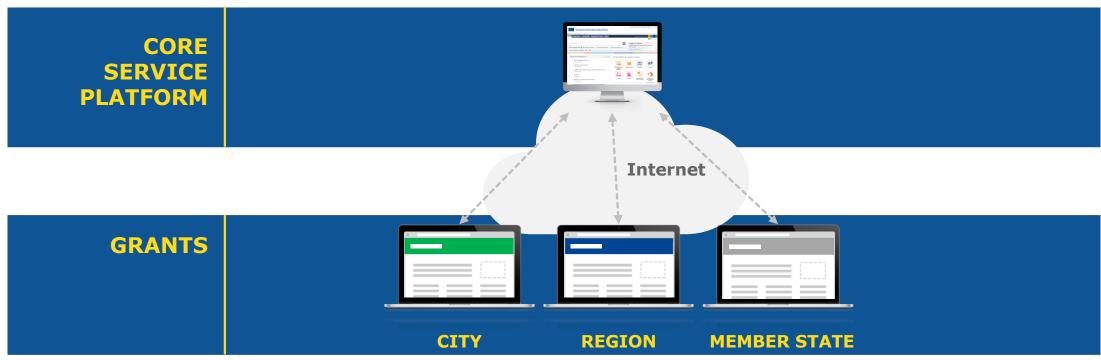
The 'Big Picture'



Example 1:



https://www.europeandataportal.eu

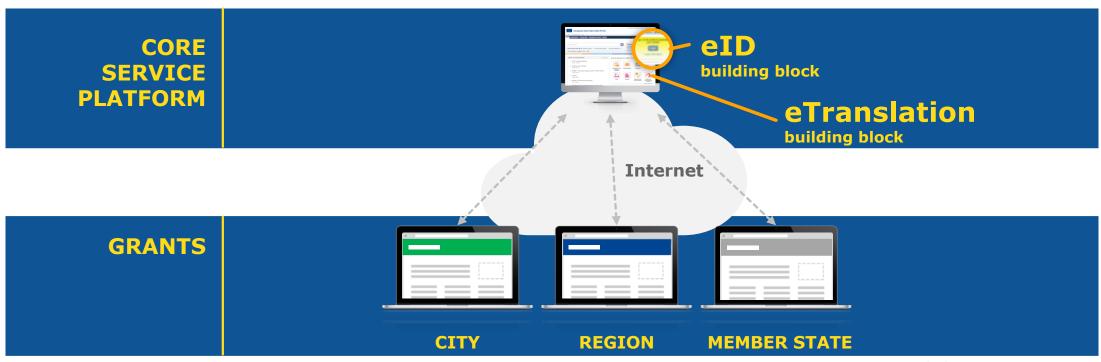




Open Data reuses eID and eTranslation



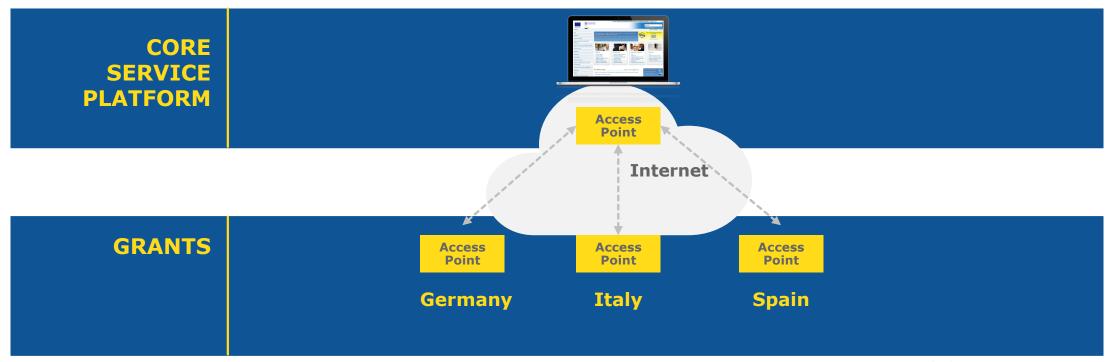
https://www.europeandataportal.eu







https://e-justice.europa.eu

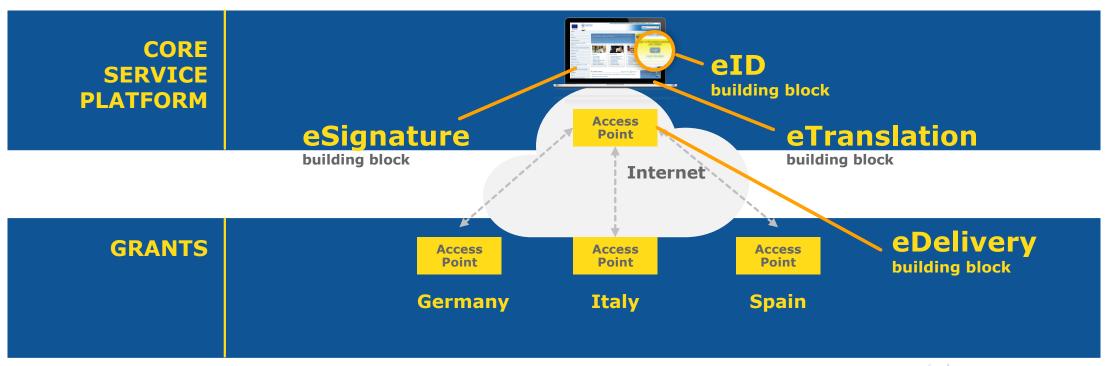




eJustice reuses eID, eTranslation, eSignature and eDelivery



https://e-justice.europa.eu



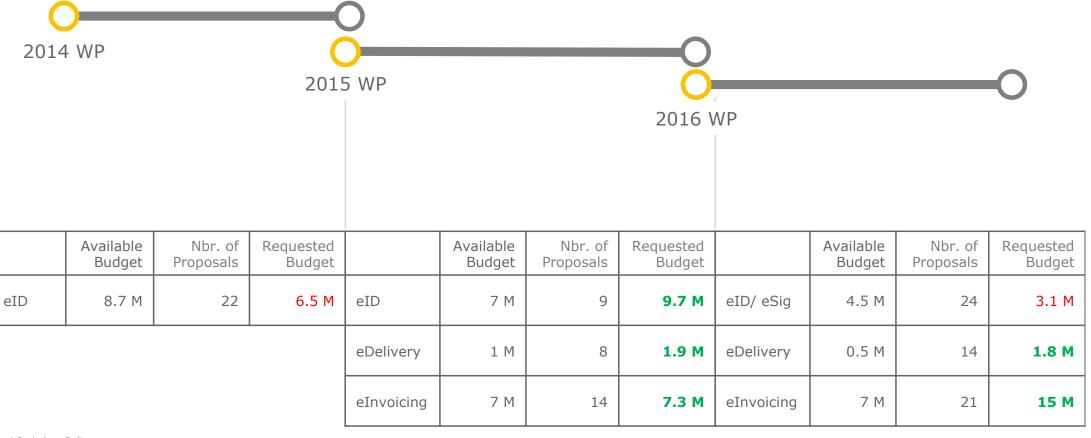


CEF Work Programmes

2013	2014	2015	2016	2017	2018	2019	2020
Work Programmes					 	 	
€970 M in DSIs =	€ 86.5 M	€ 85.2 M	€ 101.6 M	€ 101.6 M	 	 	 - -
Example of the eDelivery DSI	 	 	 	 	 	 	
CORE SERVICE PLATFORM Services offered by the European Commission	€8M	 	 	€1М	•	 	
GRANTS Projects in the Member States	€ 0	€ 1 M	€ 0.5 M	● € 0.5 M			



Building Block grants since 2014 According to information received from INEA



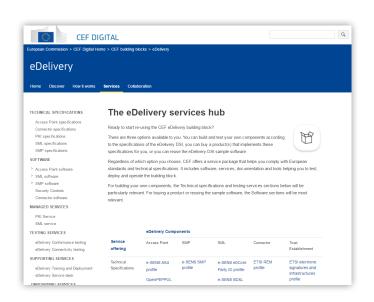
^{*} Includes eDelivery

To learn more about CEF's Digital Service Infrastructures (DSIs)

CORE SERVICE PLATFORMS

All information about the services offered by the European Commission (focus on the building blocks).

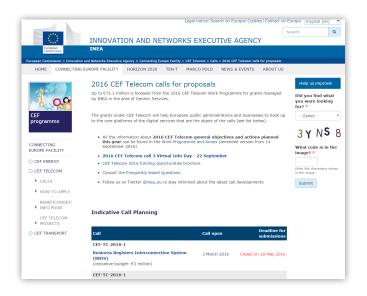
https://ec.europa.eu/cefdigital/



GRANTS

All information about the grants: requirements, deadlines, how to apply, documentation, FAQs, etc.

https://ec.europa.eu/inea/connecting-europe-facility/cef-telecom





Linking CEF to the #DigitalSingleMarket

Commission 2017 Work Programme





KEY INITIATIVES

21 key initiatives to implement our 10 political priorities in 2017

A New Boost for Jobs, Growth and Investment A Europe that preserves our way of life and empowers our young

- 1. Youth initiative
- 2. Implementation of the Action Plan on Circular Economy
- 3. Financial framework beyond 2020



A Connected Digital Single Market

A Europe that empowers its citizens and businesses

4. Implementation of the Digital Single Market Strategy



A Resilient Energy Union with a Forward-Looking Climate Change Policy

A Europe that takes responsibility for delivery on promises made

Implementation of the Energy Union Strategy: lowemission travel and mobility



A Deeper and Fairer Internal Market with a Strengthened Industrial Base

A Europe that makes a strong contribution to jobs and growth and stands up for its industry

- 6. Implementation of the Single Market Strategy
- 7. Fairer taxation of companies
- 8. Implementation of the Space Strategy for Europe
- 9. Implementation of the Capital Markets Union Action Plan

A Deeper and Fairer Economic and Monetary Union A Europe that protects our economies and ensures a fair playing field for workers and business

- 10. A strong Union built on a strong EMU
- 11. European Pillar of Social Rights



Trade: A reasonable and Balanced Free Trade agreement with the U.S.

A Europe that is open and trading with our partners while strengthening its defence instruments

12. Implementation of the Trade for All strategy



An Area of Justice and Fundamental Rights Based on Mutual Trust
A Europe that defends and preserves our values of freedom,
democracy and the rule of law

- 13. Data Protection Package
- 14. Progress towards an effective and genuine Security Union

Towards a New Policy on Migration A Europe that protects our borders and delivers on a responsible migration policy

15. Implementation of the European Agenda on Migration

A Stronger Global Actor

A Europe that protects also defends our interests beyond our borders

- 16. Implementation of the European Defence Action Plan
- 17. Implementation of the EU Global Strategy
- 18. EU Strategy for Syria
- 19. Africa EU Partnership: renewed impetus



- 20. Modernisation of Comitology procedures
- 21. A more strategic approach to enforcement of EU law







Benefits with an impact

10 TOP PRIORITIES OF THE EC

Jobs, growth and investments

Digital Single Market

Energy Union and Climate

Internal market

A deeper and fairer economic and monetary union

A balanced EU-US free trade agreement

Justice and fundamental rights

Migration

A stronger global actor

Democratic change

PROBLEM

- Europeans often face barriers when using online tools and services
- At present, markets are largely domestic in terms of online services
- Only 7% of EU small- and medium-sized businesses sell cross-border

SOLUTION

- This includes common EU data protection, copyright rules, boosting digital skills, accessible online content
- ...and Cross-border
 Digital Public services
 (CEF Digit

CONSEQUENCE

 Maximise economic potential, growth/jobs – anticipated to be 415€ billion to EU economy







Political support in the eGovernment Action Plan 2016 - 2020

DIGITAL PUBLIC SERVICES

Online • Transformative • Lean • Open

DIGITALISE AND ENABLE

Efficient and effective public services

Make it simple

CONNECT

Deliver public services across borders

Make it for all

ENGAGE

Get involved in designing / delivering new services

Make it together

Actions related to the (CEF) Building Blocks:

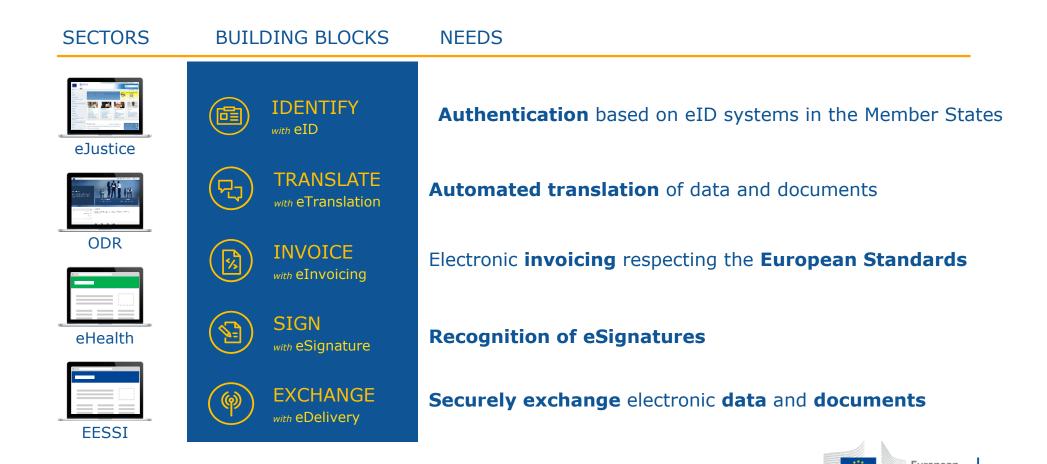
ACTION 3: Commission will ensure the sustainability of the building blocks by 2018

ACTION 6: Commission will use common building blocks such as CEF DSIs



CEF Building Blocks Scope and Service Offerings

All Policy Domains have similar cross-border needs



What is a CEF Building Block?

BUILDING BLOCKS IDENTIFY with eID EJustice TRANSLATE with eTranslation ODR INVOICE with eInvoicing SIGN with eSignature EXCHANGE with eDelivery

EESSI

DEFINITION

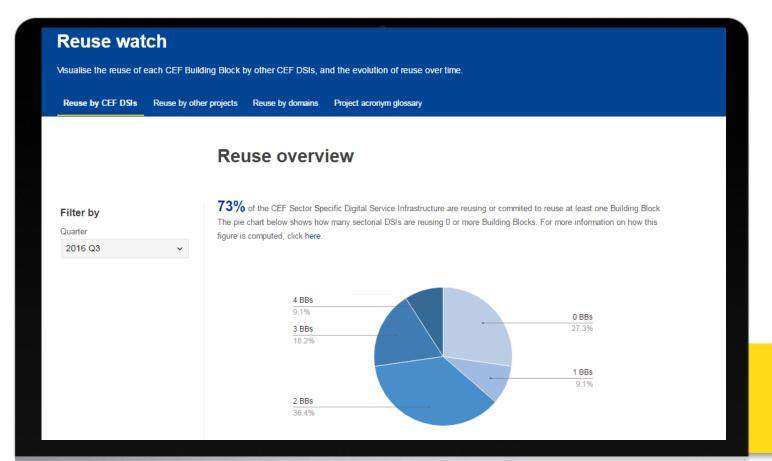
A Building Block is a package of technical specifications and/or services and/or sample software that can be reused in projects of any policy domain. In particular:

- The technical specifications of a Building Block are as much as possible open and market-driven.
- The services of a Building Block must be well defined i.e. documented, with SLAs, training, helpdesk, etc.
- The software of a Building Block must have sufficient maturity i.e. successfully piloted for cross-border transactions.



How it started and where is it going? **PILOTING** SCALING UP **SUSTAINING REGULATORY** STORK PROGRAMME (?) • EU Legislation e.g. eIDAS **PEPPOL** PUBLIC-PRIVATE PARTNERSHIP (?) **DEMAND CREATION** SPOCS e-SENS connecting europe • CEF Work Programmes AGENCY (?) epSOS • eGovernment Action Plan • DSM Catalogue of Standards eCODEX **SUPPLY CREATION** connecting europe Grants (subsidies) 2014 2020

European



ec.europa.eu/cefdigital



Reuse of building blocks by CEF's sectorial projects

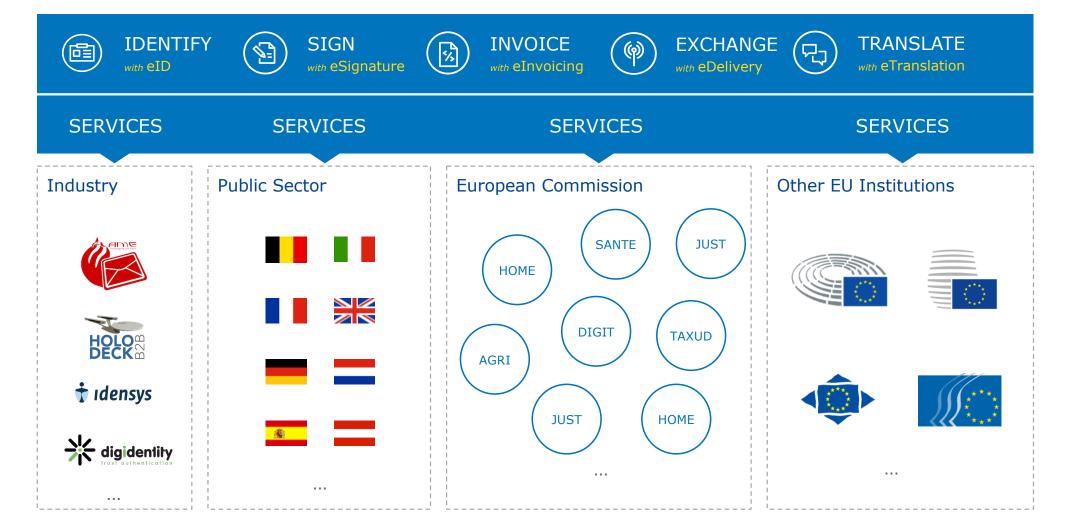
Building Block DSIs





 $^{^{}st}$ Projects run together with Member States through grants provided by CEF.

Main objective of the building block Core Service Platforms



Background and history of CEF eInvoicing

What is CEF eInvoicing?

- CEF eInvoicing was introduced to support the Directive 2014/55/EU on electronic public procurement and the European standard for eInvoicing
- On 16th April 2014 the Directive was approved in the European Parliament and Council to set up one single pan-European standard for eInvoicing
- The Directive was a direct consequence of the many standards for eInvoicing across European and as successor of the PEPPOL project initial work on eInvoicing.
- The standard and definition is maintained by CEN, but the European Commission will assist through its CEF work programmes – more on this later...



Background and history of CEF eInvoicing - PEPPOL.eu

- In 2008 the PEPPOL project was initiated on the best practices within mandatory eInvoicing for public administrations in the Nordic countries
- During the PEPPOL project a good number of the approximately 500 different eInvoicing platforms in Europe was connected through a single infrastructure and with a common semantical standard for eInvoicing – the PEPPOL BIS
- PEPPOL initiated the process of interoperability and connectivity between the "Islands of Procurement" in Europe
- At the end of August 2012 the PEPPOL project was finalised, and all services was handed over to the new non-profit association "OpenPEPPOL"



Join us today for knowledge and benefits that r

Learn more

Already a member



Background and history of CEF eInvoicing - eSENS.eu



- In April 2013 a new project eSENS.eu was initiated again bringing in the public procurement domain and eInvoicing
- During the eSENS project lifetime the directive on public procurement was voted for by the European Parliament and Council
- Main focus for eSENS was further improvements to the common components and building blocks of the past Large Scale Pilots including new transport components for eDelivery and conformance testing of new semantical mapping and eDocuments
- For eInvoicing this mainly meant piloting with existing PEPPOL BIS standards, as CEN was not ready with the new European standard for eInvoicing

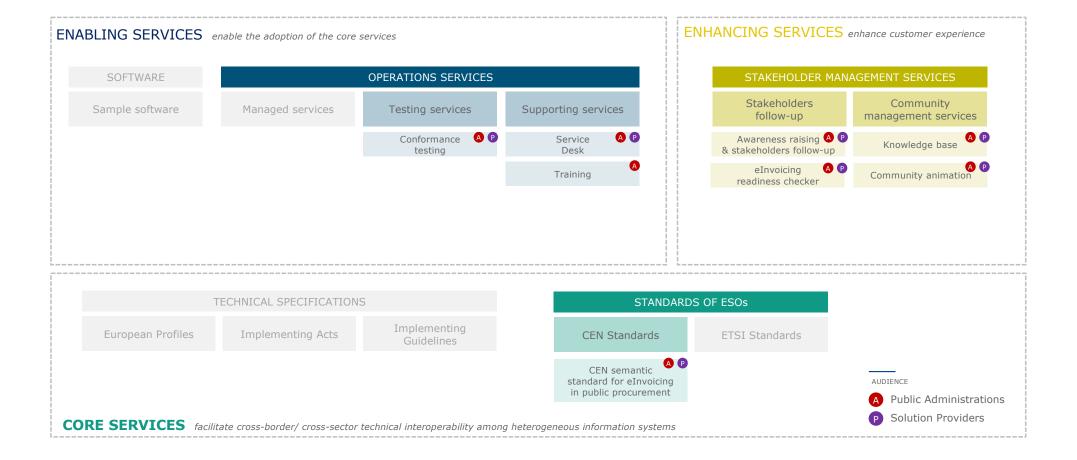
Background and history of CEF eInvoicing - Now

- At the end of March 2017 the eSENS was finalised, and most developed services and building blocks was handed over to the European Commission for further development, maintenance and support
- This included the testing of eInvoicing PEPPOL BIS on eSENS eDelivery AS4 results between the partners of eSENS including a number of eDelivery solution providers
- A number of the partners in eSENS and within the eInvoicing piloting has then applied for CEF eInvoicing funding through the grants made available by the European Commission more on this later...

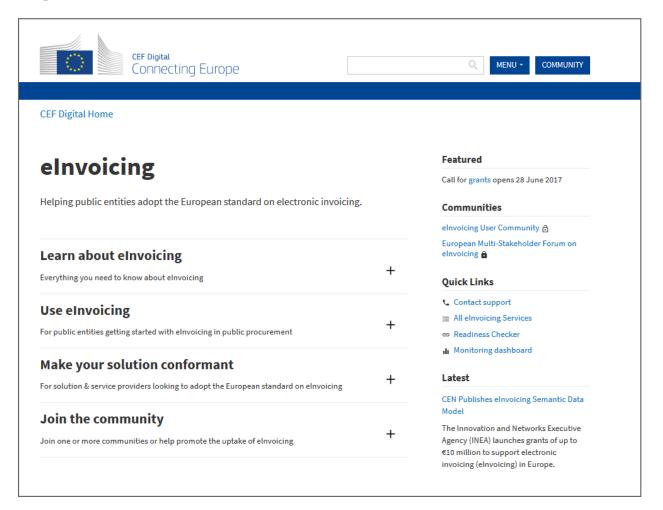


3 Our services

CEF eInvoicing Service Offering

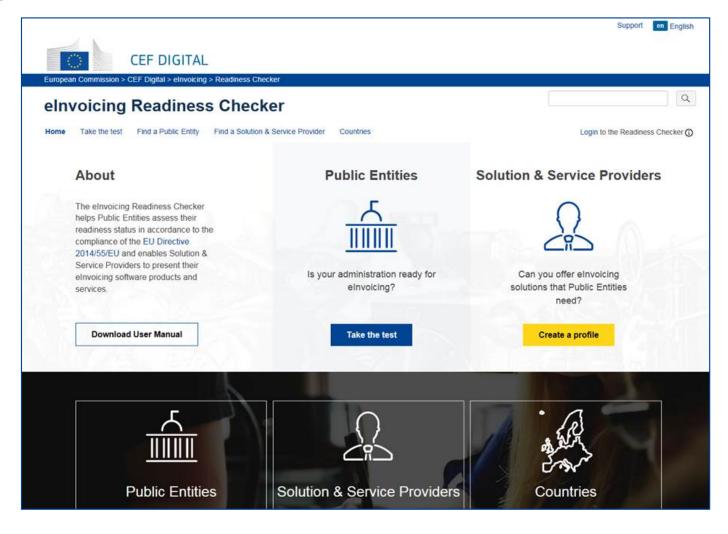


CEF Digital





eInvoicing Readiness Checker





eInvoicing User Community



eINVOICING USER COMMUNITY

FORUM

CEF DIGITAL

The CEF elnvoicing User Community Forums are a great place to post questions and share comments with fellow elnvoicing users, implementors and Service and Solution providers. Discuss a variety of topics, from implementing Directive 2014/55/EU to promoting the adoption of elnvoicing solutions.

Topic	Author	Creation date	
Implementations of the new European Norm in the Member States - What is your plans?	@ Christian Vindinge RASMUSSEN	31-05-2017	□3 6 2
Webinar # 1: CEF elnvoicing - What's in it for you?	@ Ines COSTA	© 08 May 2017	
CEF elnvoicing Implementation Workshops - register now!	@ Ines COSTA	© 02 May 2017	□ 2
Standard Definitions for Techniques of Supply Chain Finance	@José VICENTE	■ 18 Apr 2017	
ZUGFeRD Developers meet in May 2017	@ Stefan ENGEL-FLECHSIG	20 Mar 2017	Q1 ⊘ 3

Prev 1 2 Next

Visit Forum Create new topic

CONTRIBUTE

The objective of the Contribute section in the CEF elnvoicing User Community is to allow elnvoicing stakeholders to participate in ongoing activities launched by CEF elnvoicing by providing information, feedback, comments or taking action in a different range of initiatives.

Excerpt	Status	Deadline	
As national representatives you are asked to verify the elnvoicing situation in your country.	COMPLETED	31 Dec 2016	₼ 4
Participate in an online survey to help us to obtain input on the state of play of your country's B2G elnvoicing in public procurement	OPEN	Ongoing	
Are you active in elnvoicing from the public or private sector side? Join this group to provide feedback to the EC on elnvoicing matters and to drive activities to support the launch of the European Standard on elnvoicing and compliance with Directive 2014/55/EU.	OPEN	Ongoing	□1 1 6
Define what questions should be address in the state of play of B2G elnvoicing in public procurement study, and who should be invited to answer the questions.	COMPLETED	28 Feb 2017	□ 13 🖒 4
As the current European Multi-Stakeholder Forum on elnvoicing (EMSFEI) mandate is coming to an end, we warmly invite you to play an active role in the definition of the future mandate of this forum.	COMPLETED	15 Feb 2017	□1 △ 1
	As national representatives you are asked to verify the elnvoicing situation in your country. Participate in an online survey to help us to obtain input on the state of play of your country's B2G elnvoicing in public procurement Are you active in elnvoicing from the public or private sector side? Join this group to provide feedback to the EC on elnvoicing matters and to drive activities to support the launch of the European Standard on elnvoicing and compliance with Directive 2014/55/EU. Define what questions should be address in the state of play of B2G elnvoicing in public procurement study, and who should be invited to answer the questions. As the current European Multi-Stakeholder Forum on elnvoicing (EMSFEI) mandate is coming to an end, we warmly	As national representatives you are asked to verify the elnvoicing situation in your country. Participate in an online survey to help us to obtain input on the state of play of your country's B2G elnvoicing in public procurement Are you active in elnvoicing from the public or private sector side? Join this group to provide feedback to the EC on elnvoicing matters and to drive activities to support the launch of the European Standard on elnvoicing and compliance with Directive 2014/55/EU. Define what questions should be address in the state of play of B2G elnvoicing in public procurement study, and who should be invited to answer the questions. As the current European Multi-Stakeholder Forum on elnvoicing (EMSFEI) mandate is coming to an end, we warmly	As national representatives you are asked to verify the elnvoicing situation in your country. Participate in an online survey to help us to obtain input on the state of play of your country's B2G elnvoicing in public procurement Are you active in elnvoicing from the public or private sector side? Join this group to provide feedback to the EC on elnvoicing matters and to drive activities to support the launch of the European Standard on elnvoicing and compliance with Directive 2014/55/EU. Define what questions should be address in the state of play of B2G elnvoicing in public procurement study, and who should be invited to answer the questions. As the current European Multi-Stakeholder Forum on elnvoicing (EMSFEI) mandate is coming to an end, we warmly completed 15 Feb 2017

About the community

The elnvoicing User Community space enables stakeholders involved and interested in crossborder elnvoicing, to discuss elnvoicing in the EU public and private sectors. The space is also used for co-creative activities with the Advisory Group and Early Adopters of the upcoming elnvoicing Match-Making Website, which is designed to help public administrations implement electronic invoicing, as per the requirements of Directive 2014/55/EU.











CEF eInvoicing Trainings



Implementation workshops

- Typically at least one full or one half-day workshop;
- Possibly in combination with bilateral meetings b/w EC and MS;
- Currently workshops planned in Cyprus, Finland and Poland;
- **Apply** here: <u>CEF-BUILDING-BLOCKS@ec.europa.eu</u>



Remote trainings

- Live sessions on a focused eInvoicing topic for a specialised target audience;
- 1-3 hour-long sessions provided on-line;
- Focused training sessions on key areas derived from the on-site workshops.



Webinars

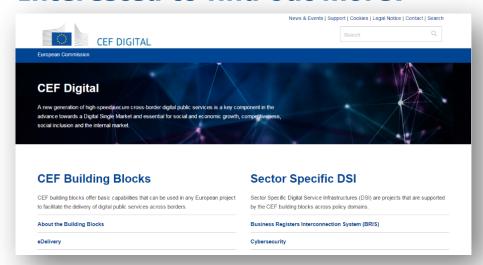
 About 1 hour-long sessions with core elements from on-site and remote trainings to gain expertise in key areas.



4

How to get started

Interested to find out more?



Visit the CEF Digital Single Web Portal https://ec.europa.eu/cefdigital/

DG GROW

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

DIGIT

Directorate-General for **Informatics**

Contact us



□ CEF-BUILDING-BLOCKS@ec.europa.eu

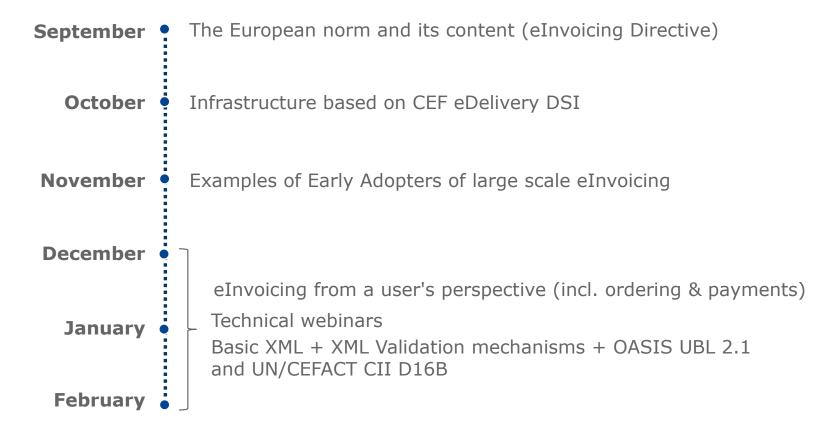
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More webinars on eInvoicing

Upcoming Webinars Related to the Standard and the Directive

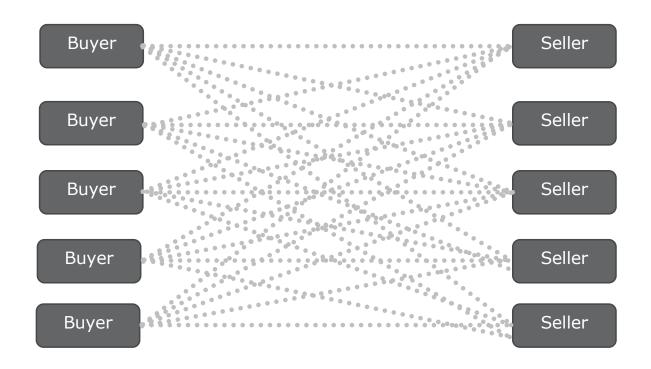


More information on the events can be found here: https://ec.europa.eu/cefdigital/wiki/x/MQHpAQ



Infrastructure: A short introduction to the (former) challenges in electronic business

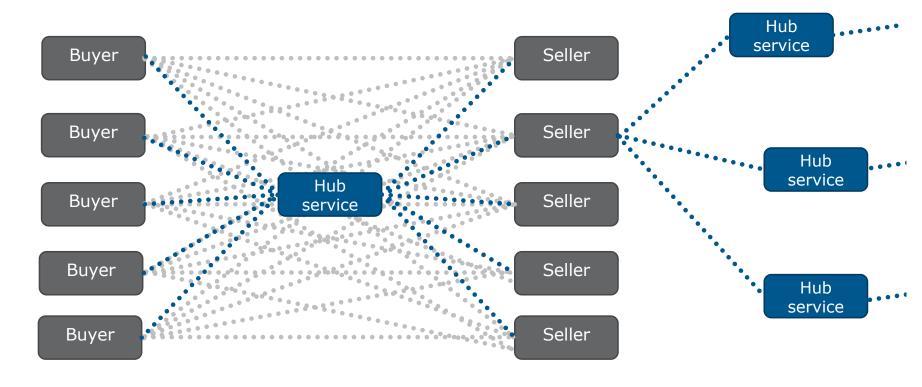
How it used to work...



- Bilaterally agreed configuration of format, protocol, security
- In-house IT-solutions
- Each new connection => a project



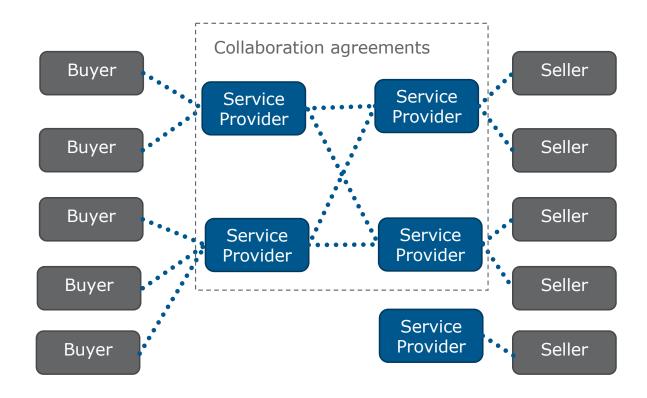
How it used to work...



- Central hub takes care of the routing
- Buyer and seller becomes customers of the hub
- Business partners must use the same hub



How it used to work...



- Service providers acting on behalf of the buyer or seller
- Have collaboration-agreements defining SLA, technical details...
- End point (addressing)-information stored by the service provider or the issuer



Typical problems we see today as a result

- Complex process to connect new business partners
- Very costly to configure new connections
- Hard to know which format/standard is used for messages
- Almost impossible to connect cross-border in a rational way
- All service providers don't collaborate
- Very costly to change service provider



Different approaches on how to solve the işsues (unsuccessfully)

Attempts to solve the problems on routing/addressing in the 4-corner model

- Require the issuer to provide all the information to the service provider
- List of receivers in a file format shared/copied by all Service Providers
- Central database with all address-information

Common issues:

- Single point of failure
- Old information
- In-complete information
- Commercial trust-issues



8 The CEF eDelivery Discovery Model approach

PEPPOL – A deployment of CEF eDelivery DSI

AP

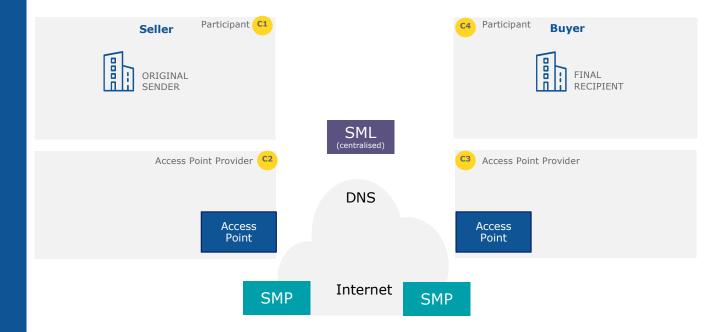
The role of the AP (Access Point) is to send and receive messages in a secure and reliable way, on behalf of the Participants. The AP is essentially a simple which is often offered together with other value added services by a Service Provider.

SML

The role of the SML (Service Metadata Locator) is to manage the resource records of the participants and SMPs (Service Metadata Publisher) in the DNS (Domain Name System). The SML is usually a centralised component in an eDelivery Messaging Infrastructure.

SMP

Once the sender discovers the address of the receiver's SMP, it is able to retrieve the needed information (i.e. metadata) about the receiver. With such information, the message can be sent. The SMP is usually a distributed component in an eDelivery Messaging Infrastructure.



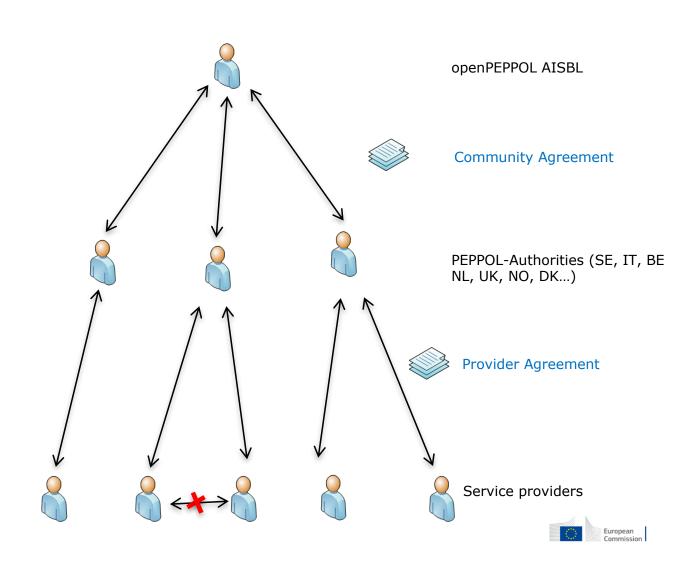


Transport Infrastructure Agreements (TIA)

The Access Point Provider and the Service Metadata Publisher Provider must sign a contract with openPEPPOL (or any of the PEPPOL Authorities)

Agreements defines responsibilities, expectations, service levels and more

Only providers who have signed the agreements can participate in the network (controlled by digital certificates on a communication level)



Discovery models

CEF eDelivery

Static

In a Static Service Location model the IP address and related attributes are static. The IP address of all the Access Points in the network are stored on a central location for the other Access Points to reference. To send a message, the sending Access Point looks a the static list of IP addresses on the networks' Domain Name System (DNS) to locate the Access Point of the receiver.

Dynamic

Dynamic Service Location enables the sending AP to dynamically discover the IP address and capabilities of the receiver. Instead of looking at a static list of IP addresses, the sender consults a **Service Metadata Publisher (SMP)** where information about every participant in the data exchange network is kept up to date. As at any point in time there can be several SMPs, every participant must be given a unique ID that must be published by **the Service Metadata Locator (SML)** on the network's Domain Name System (DNS). By knowing this URL, the sender is able to dynamically locate the right SMP and therefore the right receiver.

PROS & CONS

High speed as there is no overhead processing

Less flexible, change of irrelevant references



More automated and flexible



Slower speed, as some overhead processing is required



Dynamic discovery in detail

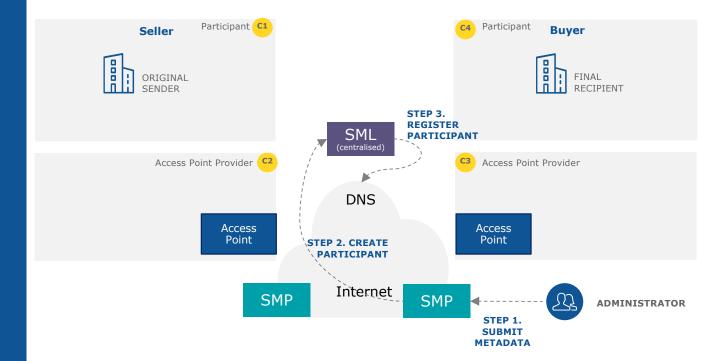
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Phase 1: Registration





Dynamic discovery in detail

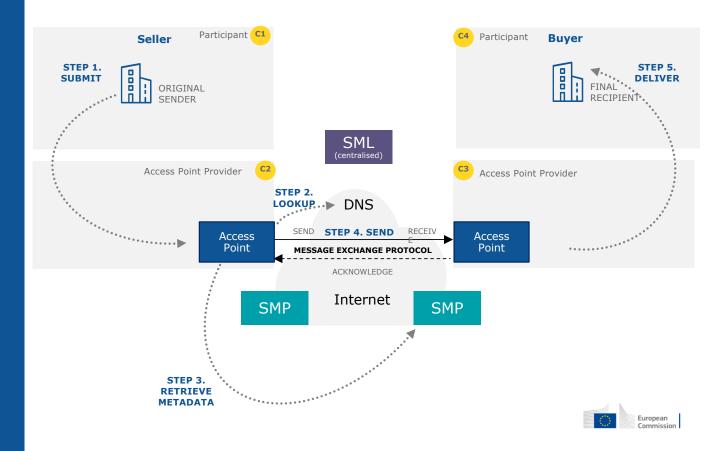
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SMP

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Phase 2: Operations



Service Metadata Example

```
<?xml version="1.0" encoding="UTF-8"?>
|<ns3:SignedServiceMetadataType xmlns:ns3="http://busdox.org/serviceMetadata/publishing/1.0/" xmlns="http://busdox.org/transport/identifiers/1.0/" xmlns:ns2="http://busdox.org/serviceMetadata/publishing/1.0/" xmlns="http://busdox.org/serviceMetadata/publishing/1.0/" xmlns="http://busdox.org/serviceMe
         <ns3:ServiceMetadata>
                <ns3:ServiceInformation>
                       <ParticipantIdentifier scheme="iso6523-actorid-upis">0007:123412342</ParticipantIdentifier>
                      <DocumentIdentifier scheme="busdox-docid-qns">urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biicoretrdm
                       <ns3:ProcessList>
                              <ns3:Process>
                                    <ProcessIdentifier scheme="cenbii-procid-ubl">urn:www.cenbii.eu:profile:bii03:ver1.0/ProcessIdentifier>
                                     <ns3:ServiceEndpointList>
                                            <ns3:Endpoint transportProfile="busdox-transport-start">
                                                  <ns2:EndpointReference>
                                                         <ns2:Address>https://82.99.4.199/busdox-transport-start-server/accesspointService</ns2:Address>
                                                  </ns2:EndpointReference>
                                                  <ns3:RequireBusinessLevelSignature>false</ns3:RequireBusinessLevelSignature>
                                                  <ns3:MinimumAuthenticationLevel>1</ns3:MinimumAuthenticationLevel>
                                                   <ns3:ServiceActivationDate>2010-12-18Z</ns3:ServiceActivationDate>
                                                    <nc3-SonicoEvnirationData>2012 12 217
```

- The Participant's identifier
- Type of supported message
- Type of message
- Type of transport protocol to use for this message
- Technical endpoint/address for where the message should be sent



9 Consequences for the users

Consequences for the users

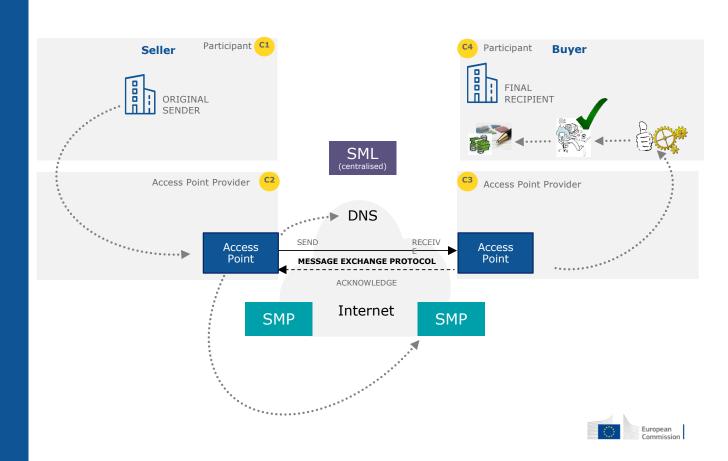
A participant registered in the PEPPOL Infrastructure is visible as a receiver by everybody. The SML/SMP is open for queries.

Only certified and approved Access points can send messages in the infrastructure

Receiving Access points are not allowed to refuse an incoming message if it comes from a certified Access point

Participants must implement routines for handling new connections!

Scenario - Known business partner



Consequences for the users

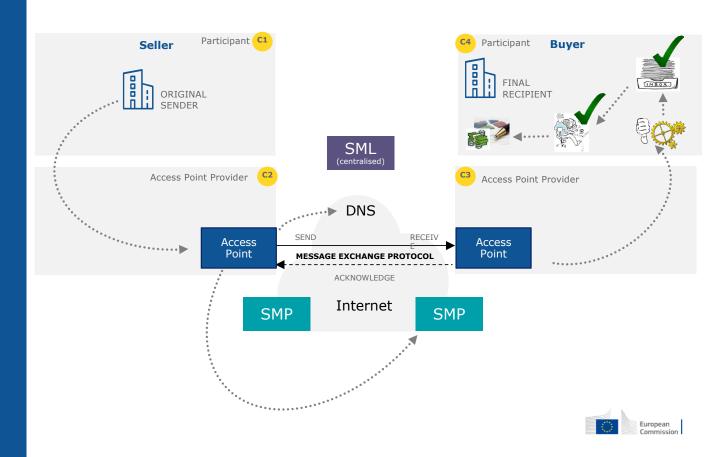
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Scenario – Unknown business partner



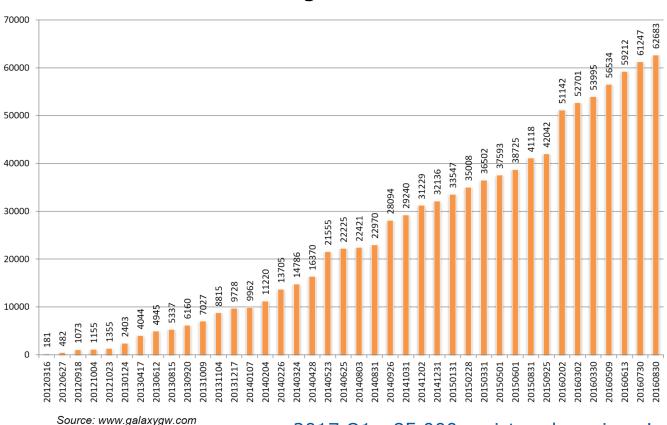
10

Scalability of the infrastructure

Scalability of the infrastructure

The discovery mechanism is using DNS, well known for stability and performance
The only central service, the SML, is for administration of the participants, not the message flow itself

Total number of organizations capable of receiving eInvoices in PEPPOL



2017 Q1: 85.000 registered receivers! 2017 Q3: 100.000 registered receivers!



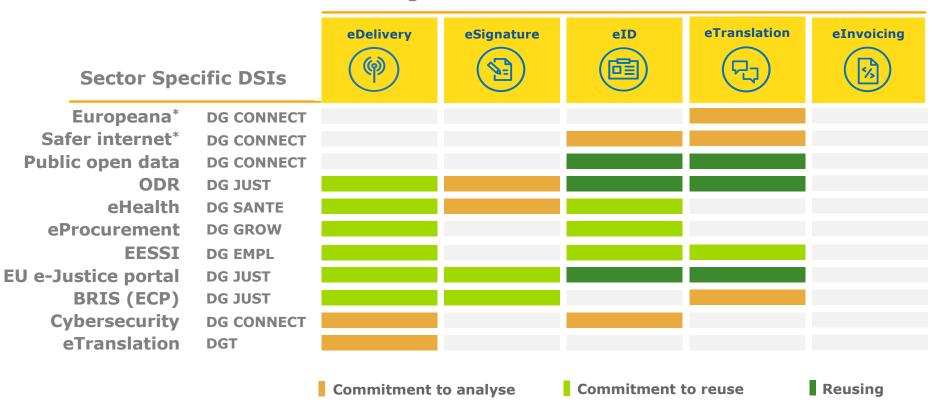
CEF eDelivery is not a one-size fits all solution

		PEPPOL PAN-EUROPEAN PUBLIC PROCUREMENT ONLINE	e=codex	Your CEF eDelivery implementation
	TOPOLOGY	4-corner model	4-corner model	Your choice
EXCHANGE MODEL	PROTOCOL	PEPPOL AS2 profile	e-SENS AS4 profile	e-SENS AS4 profile recommended
	INTEGRATION APPROACH	Service Providers (Market)	Specific Connector	Your choice
DISCOVERY MODEL		Dynamic	Static	Your choice
SECURITY MODEL	TRUST CIRCLE	PKI	Mutual trust	Your choice
	SECURITY CONTROL	Liberal inner security	Inner security with connector	Your choice

SCOPE OF CEF eDELIVERY

Reuse of building blocks by CEF's sectorial projects

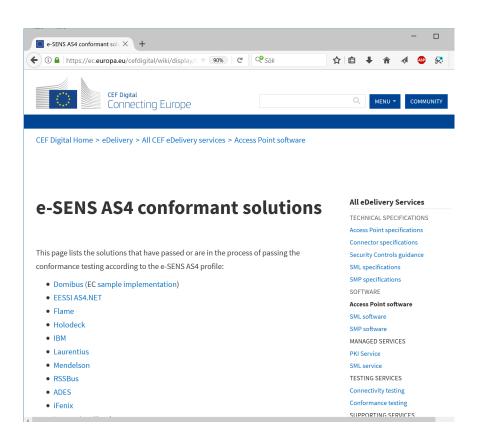
Building Block DSIs

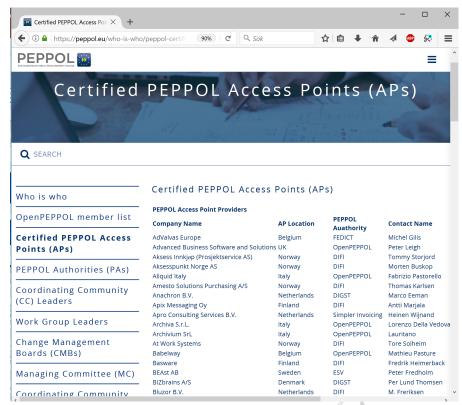




 $^{^{}st}$ Projects run together with Member States through grants provided by CEF.

Open Source Implementations of CEF eDelivery and Certified PEPPOL Access Point Providers







Summary

- Automatic discovery is necessary for mass-use of electronic business
- A common collaboration agreement and security structure
- The service metadata contains all you need to know to dynamically connect and exchange messages
- Necessary to implement routines for handling new business partners
- No roaming fees or discrimination of participants allowed
- Standardized specification



11

Funding and Grants – possibilities within CEF

2017 CEF Telecom calls

Call	Indicative budget	Launch date	Deadline
CEF-TC-2017-1 BRIS EESSI eID & eSignature European e-Justice Portal	€2 million €17 million €7 million €1.5 million	17 February 2017	18 May 2017
CEF-TC-2017-2 Cyber Security eDelivery eHealth eProcurement	€12 million €0.5 million €9 million €4 million	6 May 2017	21 September 2017
CEF-TC-2017-3 eInvoicing eTranslation Europeana Public Open Data	€10 million €6 million €2 million €6 million	28 June 2017	28 November 2017



2017-3 eInvoicing call (2017 Work Programme - section 3.4)

2017-3 eInvoicing call

Launch date	28 June 2017
Deadline	28 November 2017
Who can apply?/Consortium composition	Minimum 2 private or public entities from one or several Member States
Budget	€10 million
Co-financing	75% of the eligible costs
Indicative duration	12 months



2017-3 eInvoicing call: scope

Proposals must meet objective 1 or 2:

- 1. Uptake of eInvoicing solutions compliant with the EN and its ancillary deliverables by public entities
- 2. Update of eInvoicing solutions compliant with the EN and its ancillary deliverables by solution providers and public authorities

Promotion of eDelivery:

Deployment of the eDelivery Building Block or use of eDelivery through a service provider

Must be carried out in conjunction with objective 1 or 2



2017-3 eInvoicing call: expected outcomes

Increased uptake and use of eInvoicing by public authorities (especially regional/local) in meeting the requirements of the eInvoicing Directive Support for service providers in making their existing solutions compliant with the requirements of the eInvoicing Directive



Past eInvoicing calls



2015-1 eInvoicing call

Call opening: 15 September 2015 - Call closure: 11 February 2016

Call objective:

Increase uptake and the use of the eInvoicing DSI by supporting authorities – especially at the regional and local levels – in meeting the requirements of the eInvoicing Directive

Overall indicative budget: €7 million

Co-funding rate: 75% of eligible costs

Proposals received: 10

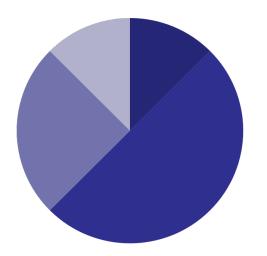
Eligible proposals received: 8

Grant agreements: 8

Maximum EU contribution: €4,426,111



2015-1 eInvoicing call: Member States involved (13)



- 5 members (1 consortium)
- 6 members (4 consortia)
- 7 members (2 consortia)
- ■8 or more members (1 consortium)















Member

States

(7)













Private sector (22)



2015-1 eInvoicing call

1 action already completed

7 actions on-going (all aiming to implement European eInvoicing standard), supporting:

- Solution providers (AT ecasio, ES EDICOM, UK ELCOM) in upgrading their solution to the eInvoicing standard + supporting users of the solutions
- Uptake and upgrade of national eInvoicing platforms (CY, HR, ES, IT)
- Tool for eInvoicing format mapping (NL, DE)



2016-3 eInvoicing call

Call opening: 13 September 2016 - Call closure: 15 December 2016

Call objective:

Increase uptake and the use of the eInvoicing DSI by supporting authorities – especially at the regional and local levels – in meeting the requirements of the eInvoicing Directive

Overall indicative budget: €7 million

Co-funding rate: 75% of eligible costs

Proposals received: 21

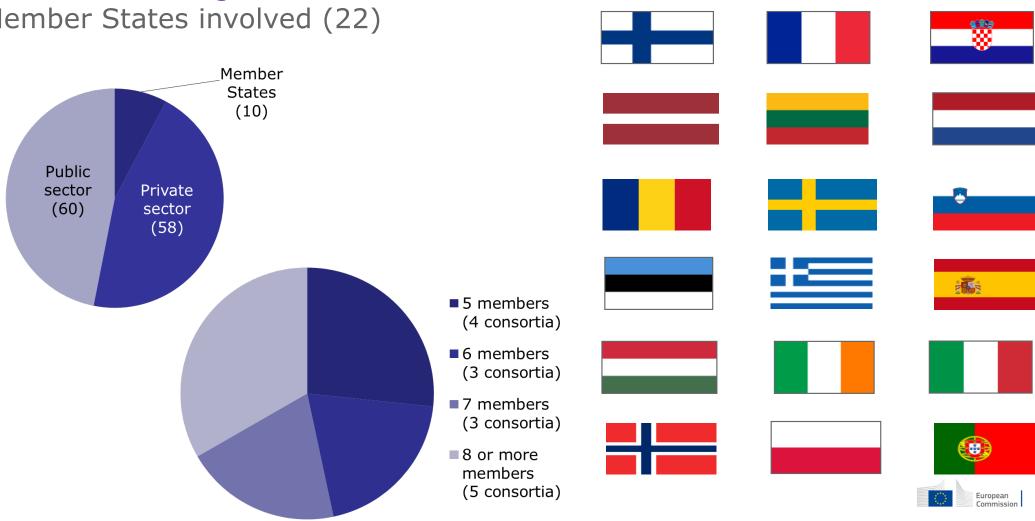
Eligible proposals received: 20

Recommended proposals: 15

Recommended funding: €10,401,818



2016-3 eInvoicing call Member States involved (22)



2016-3 eInvoicing call

Info below still indicative: grant agreement preparation now on-going (to be finalised by mid-September)

Most of the actions to start between May and September 2017 and run until end of 2018

- All will ensure the compliance with the European eInvoicing standard
- Most will also deploy eDelivery

Actions will support:

- Solution providers and national eInvoicing solutions, including at the local level, to make them complaint with eInvoicing standard
- Strong focus of some of the actions on onboarding suppliers and engaging with SMEs



How to apply:

READ all call documentation, forms, Guide for Applicants, FAQs, call webpage

REFLECT on the call content & requirements

REMEMBER that successful applications take time and effort, but guidance is available!



CEF Telecom calls: for more information



inea-cef-telecom-calls@ec.europa.eu



https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2017-cef-telecom-calls-proposals



@inea_eu

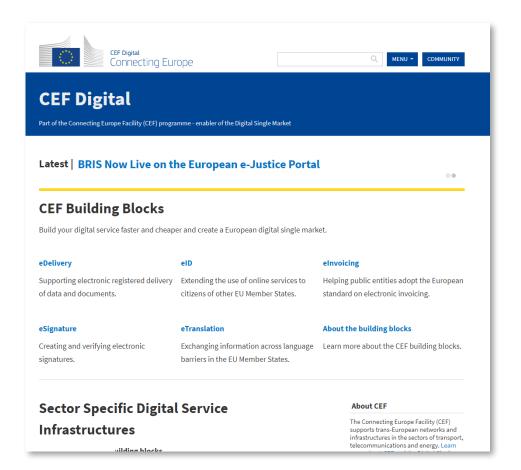


Discussion

#ConnectingEurope

Find out more on CEF Digital

ec.europa.eu/cefdigital



Contact us



CEF-BUILDING-BLOCKS@ec.europa.eu

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Thanks!