



**DIGIT**  
Directorate-General  
for Informatics

**DG Connect**  
Directorate-General for Communications  
Networks, Content and Technology



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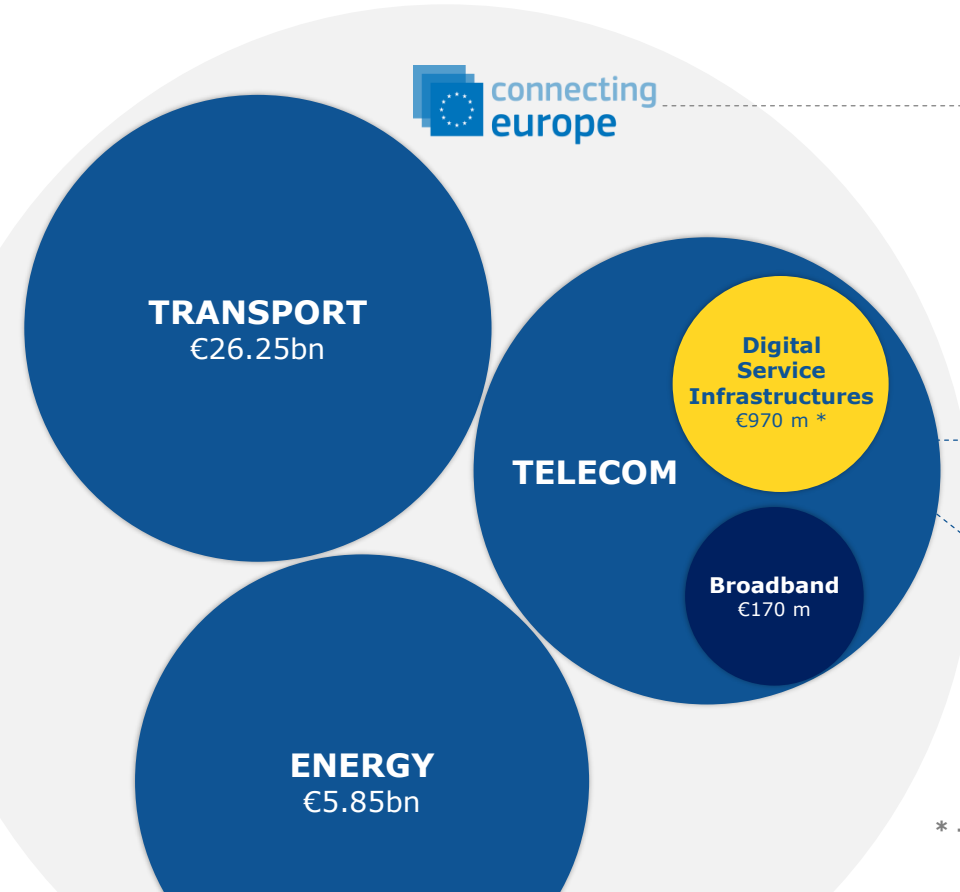
Introduction to

# Connecting Europe Facility

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22 November 2016

# What is CEF?



## 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 Programme

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

\* - 100 m Juncker Package

# What does CEF Digital finance?

## DIGITAL SERVICE INFRASTRUCTURES (DSIs)

Funding for the  
**EUROPEAN COMMISSION**

Funding for the  
**MEMBER STATES**



### CORE SERVICE PLATFORM

Services offered by the European Commission

#### SECTORIAL



eJustice Portal



EU Open Data Portal

...

#### BUILDING BLOCKS

eInvoicing



eSignature



eDelivery



eID



eTranslation

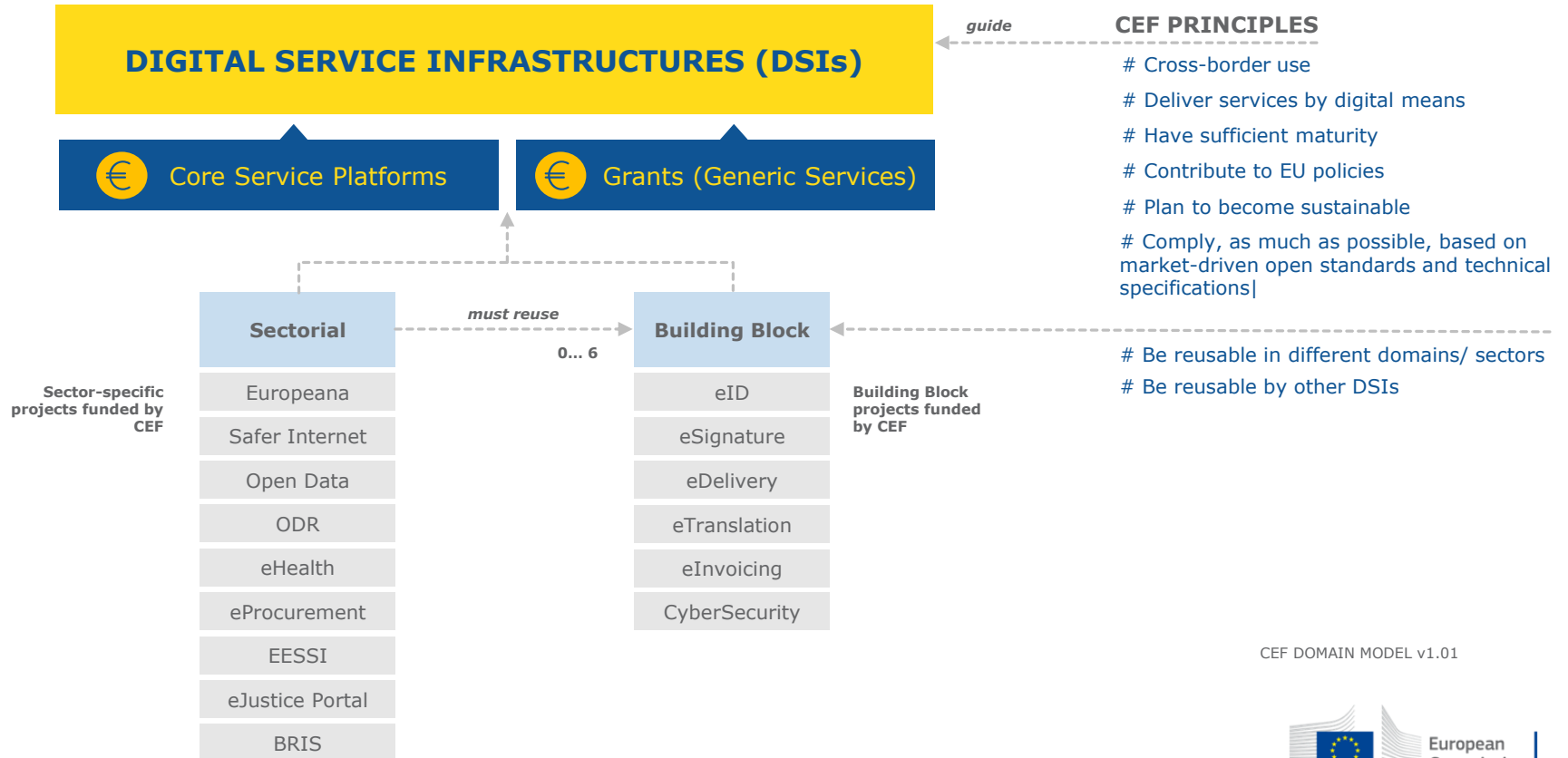


### GRANTS

Projects in the Member States



# What are the fundamental characteristics of a DSI?



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

# Sector Specific DSIs completing the #DigitalSingleMarket



## eJustice

Citizens need to send complaints online across borders



## ODR

Citizens need to start a dispute online across borders



## eHealth

Citizens need to have online access to their patient summary when abroad



## EESSI

Citizens need to get to grips with their social security seamlessly and online



It also includes

**Business Registers Interconnection System (BRIS)**

**Public Open Data**

**eProcurement**

# All Policy Domains have similar cross-border needs

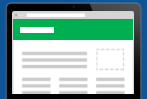
## Sector Specific DSIs



eJustice



ODR



eHealth



EESSI

...

## Building Block DSIs

Building block linked to the [eIDAS regulation](#) (EU) N°910/2014)

eInvoicing



eSignature



eDelivery



eID



eTranslation



**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.

# eJustice DSI

<https://e-justice.europa.eu>

CORE SERVICE  
PLATFORM



Access  
Point

Internet

GRANTS

Access  
Point



Germany

Access  
Point



Belgium

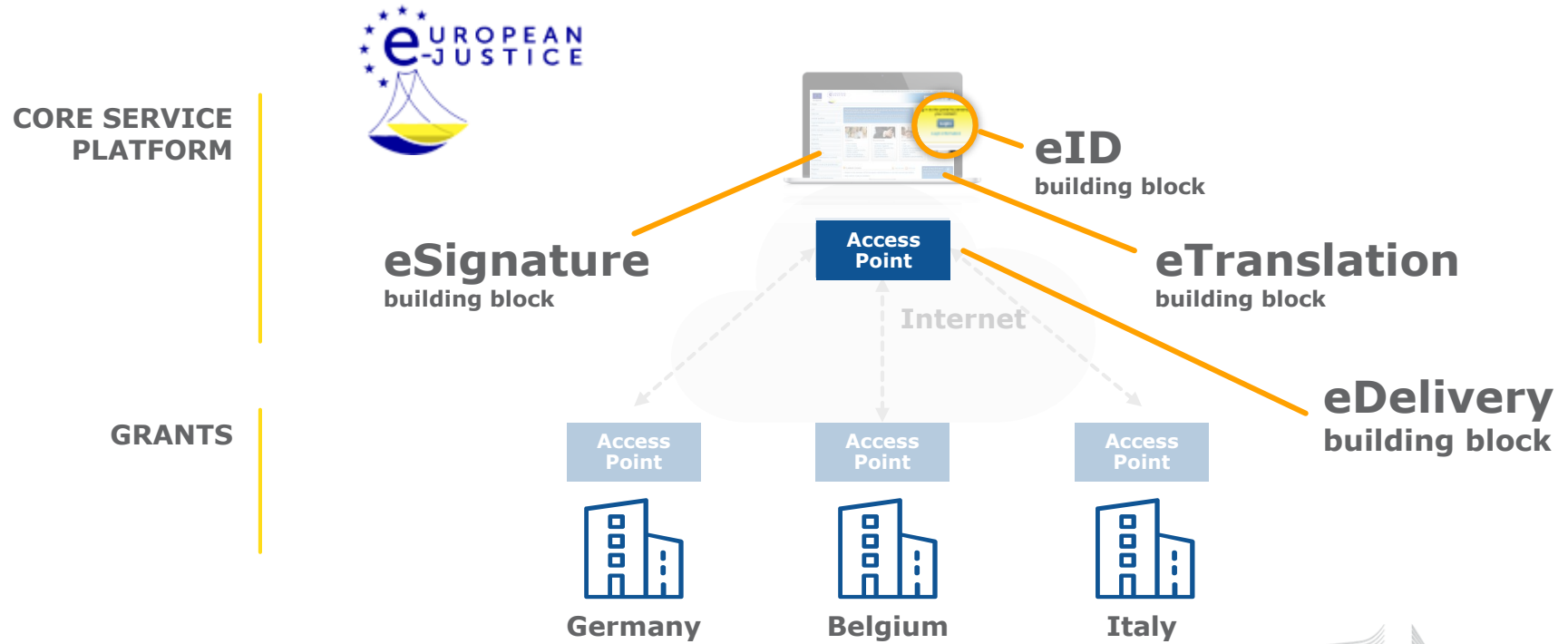
Access  
Point



Italy

eJustice reuses eID, eTranslation, eSignature and eDelivery

## REUSE OF BUILDING BLOCKS





# Reuse of building blocks by CEF's sectorial projects

## Building Block DSIs

Sector Specific DSIs		eDelivery	eSignature	eID	eTranslation	eInvoicing
Europeana*	DG CONNECT					
Safer internet*	DG CONNECT				NEW	
Public open data	DG CONNECT			NEW		
ODR	DG JUST					
eHealth	DG SANTE					
eProcurement	DG GROW	NEW				
EESSI	DG EMPL					
EU e-Justice portal	DG JUST					
BRIS (ECP)	DG JUST		NEW			
Cybersecurity	DG CONNECT					
eTranslation	DGT					

■ Commitment to analyse    
 ■ Commitment to reuse    
 ■ Reusing

NEW Update since Q2'16

\* Projects run together with Member States through grants provided by CEF.

# 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/>

The screenshot shows the 'eDelivery' website. The main heading is 'The eDelivery services hub'. Below it, there is a section titled 'Ready to start re-using the CEF eDelivery building block?' which states: 'There are three options available to you. You can build and test your own components according to the specifications of the eDelivery DSI, you can buy a product(s) that implements these specifications for you, or you can reuse the eDelivery DSI sample software.' A sidebar on the left lists various technical specifications and software options. At the bottom, there is a table of eDelivery components.

Service offering	eDelivery Components				
	Access Point	SMP	SML	Connector	Trust Establishment
Technical Specifications	e-SENS ASN profile	e-SENS SMP profile	e-SENS eBCore	ETSI REM profile	ETSI electronic signatures and infrastructures profile
	OpenPEPPOL		e-SENS B2CL		

## GRANTS

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

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

The screenshot shows the INEA website page for '2016 CEF Telecom calls for proposals'. The main heading is '2016 CEF Telecom calls for proposals'. Below it, there is a section titled 'The grants under CEF Telecom will help European public administrations and businesses to hook up to the core platforms of the digital services that are the object of the calls (see list below)'. A sidebar on the left lists various categories of calls for proposals. At the bottom, there is a table of Indicative Call Planning.

Call	Call open	Deadline for submissions
CEF-TC-2016-1 Business Registers Interconnection Systems (BRIS) (indicative budget: €3 million)	3 March 2016	Closed on 19 May 2016
CEF-TC-2016-1		

# CEF Work Programmes: DSIs' funds are planned every year

Year

2014

2015

2016

2017

2018

2019

2020

Procurement by the Commission to offer services to the Member States. Budget allocated for 4 years.



Total Amount

€ 86.5 M

€ 85.2 M

€ 101.6 M

...

Example

eDelivery DSI

Core Service Platform

Grants

€ 8 M

€ 0



€ 1 M

€ 500k

Typically 'deployment' projects at national level (up to 75% of eligible cost). Allocated every year.

# Grants: 2016 Calls



## CALL 1

*Budget*

Business Registers Interconnection System (BRIS)*	€3 mln
Exchange of Social Security Information (EESSI)*	€24.5 mln
eProcurement	€4.5 mln

## CALL 2

*Budget*

eDelivery	€0.5 mln
eIdentification and eSignature	€4.5 mln
European eJustice Portal*	€2 mln
Public Open Data	€3.5 mln

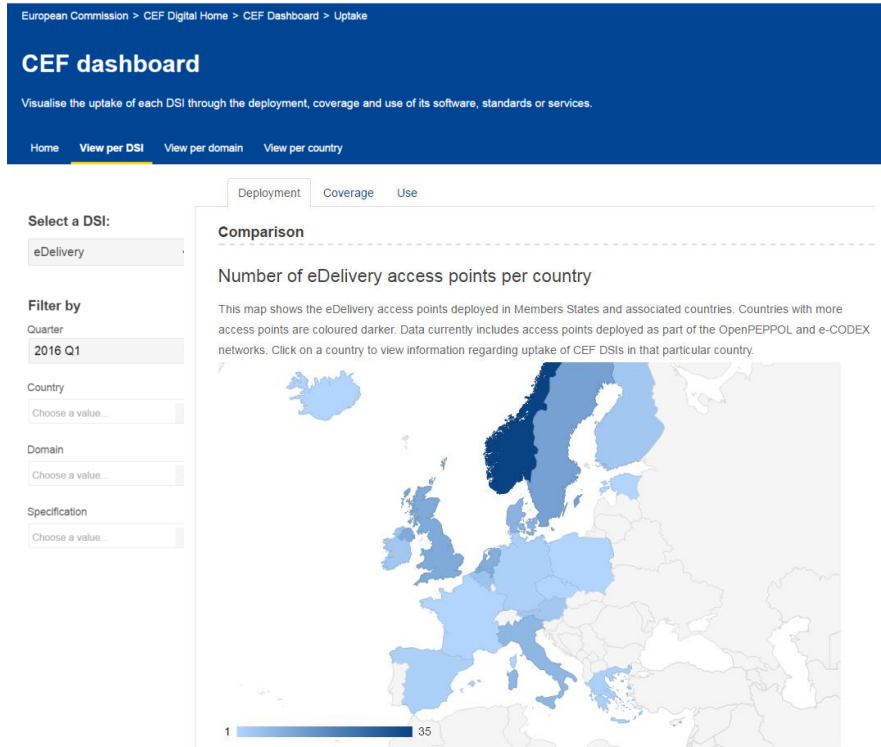
## CALL 3

*Budget*

Automated Translation	€6.5 mln
Cyber Security*	€12 mln
eInvoicing*	<b>€7 mln</b>
Europeana Generic Services	€2 mln

\* Includes eDelivery

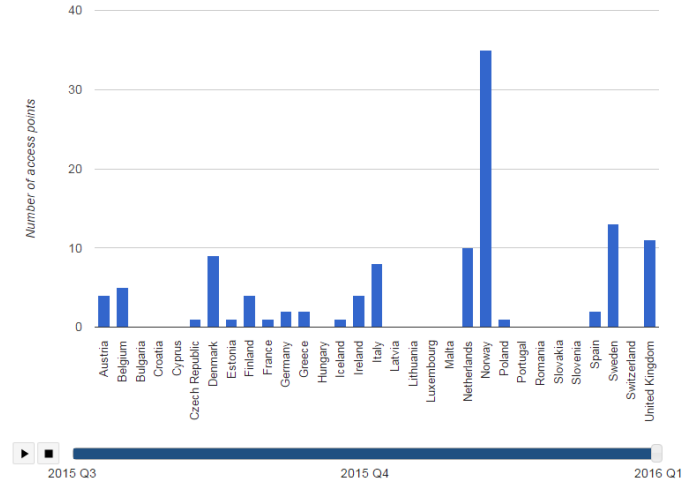
# Visualise the uptake of each Building Block in your Member State



## Trends

### Evolution of the number of eDelivery access points per country

This chart shows the numbers of eDelivery access points per country. Each bar represents the number of eDelivery access points for a single Member State or associated country at the selected quarter. The evolution can be seen by moving the slider to change the displayed quarter or by using the play button.



# 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*

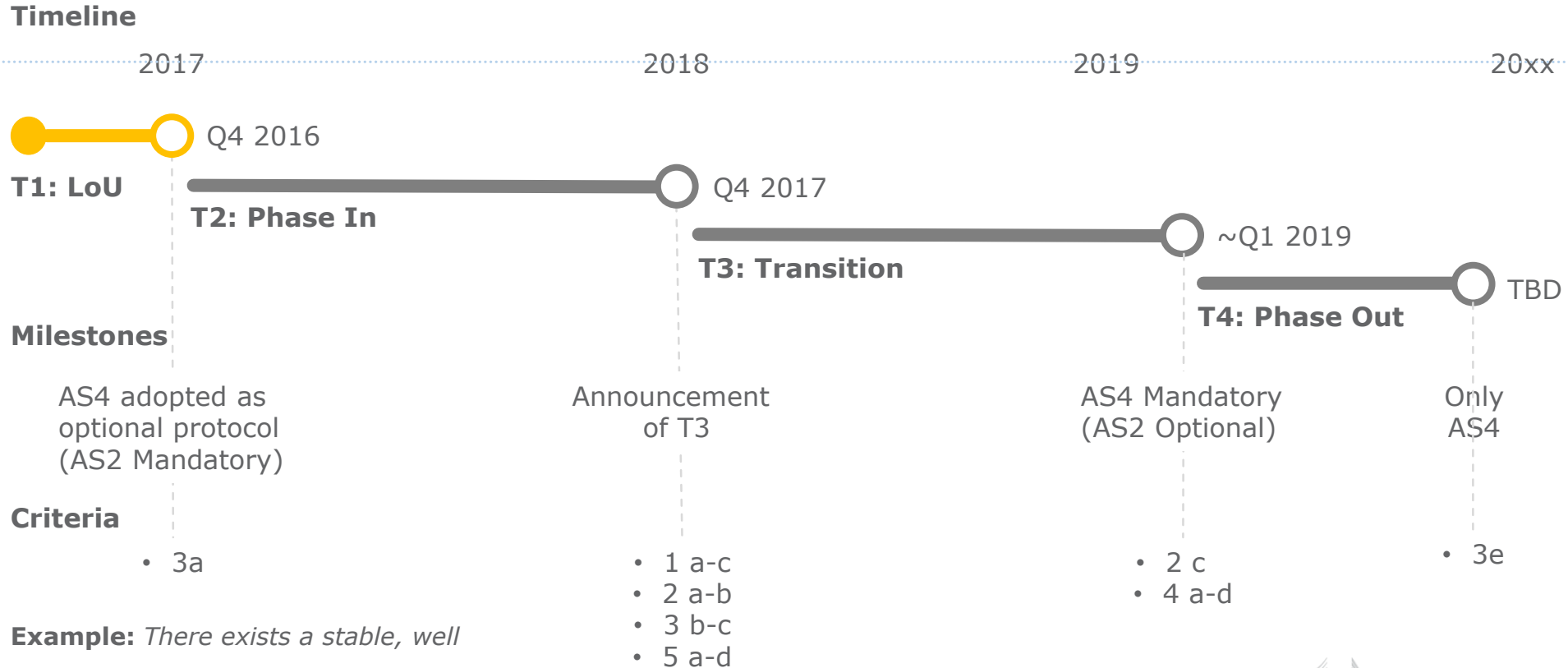
### ENGAGE

Get involved in designing  
/ delivering new services

*Make it together*

**ACTION 6:** The Commission will use the common building blocks such as CEF DSI's

# eDelivery alignment between CEF and PEPPOL



**Example:** *There exists a stable, well documented CEF AS4 profile specification, including SMP and PKI implementation.*

# CEF Building Block Service Offering Placemat v3.0

## Objective and approach

A **SERVICE** is a means of delivering value to customers by facilitating outcomes customers want to achieve without the ownership of specific costs or risks.

ITIL v3, Service Design



### OBJECTIVE

The Service Offering Placemat presents the services offered by the CEF Building Block DSIs by grouping them into common categories, based on ITIL's best practices.



### APPROACH

The placemat is structured in a way that fits ALL the services of the CEF Building Blocks and allows comparison between them.

The service categories that are not applicable for certain Building Block DSIs, are greyed out in each placemat.

The offered services are matched with the users to which those services are offered by the use of 'audience icons'.



# CEF Building Block Service Offering - Placemat Template

## Service classification 1/2



TECHNICAL  
SPECIFICATIONS

STANDARDS OF ESOs

Core services deliver the basic outcomes and objectives of the CEF Building Blocks, i.e. facilitate cross-border/cross-sector technical interoperability among heterogeneous information systems. This objective is achieved through the definition, maintenance and sponsorship of European standards and technical specifications.



SOFTWARE

OPERATIONS  
SERVICES

Enabling services are needed to deliver the core services and the outcomes/objectives that these core services support. It includes the technical and organizational services to enable the implementation of the Standards and Technical Specifications as defined by the core services.



STAKEHOLDER  
MANAGEMENT  
SERVICES

Enhancing services are added on top of the core services to create additional value for the users and promote the uptake and reuse of the Building Blocks. In the context of CEF, the enhancing services comprise stakeholder management services.

# CEF Building Block Service Offering - Placemat Template

## v3.0

### ENABLING SERVICES *enable the adoption of the core services*

SOFTWARE	OPERATIONS SERVICES		
Sample software	Managed services	Testing services	Supporting services
-	-	-	-
-	-	-	-
-	-	-	-

### ENHANCING SERVICES *enhance customer experience*

STAKEHOLDER MANAGEMENT SERVICES	
Stakeholders follow-up	Community management services
-	-
-	-
-	-

### TECHNICAL SPECIFICATIONS

European Profiles	Implementing Acts	Implementing Guidelines
-	-	-
-	-	-
-	-	-

### STANDARDS OF ESOs

CEN Standards	ETSI Standards
-	-
-	-
-	-

### CORE SERVICES *facilitate cross-border/ cross-sector technical interoperability among heterogeneous information systems*

#### AUDIENCE

- A** Target Audience A
- B** Target Audience B

Connecting Europe

# CEF eDelivery

SOFTWARE

OPERATIONS  
SERVICES

STAKEHOLDER MANAGEMENT  
SERVICES

TECHNICAL SPECS. / STANDARDS

Target audiences

## Industry



...



## Public Sector



De-Mail



La Poste

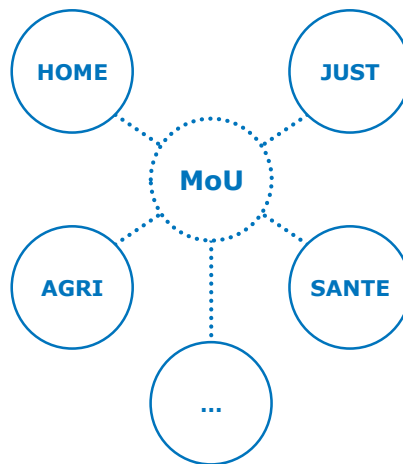


AT.eDelivery

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## European Commission



## Other EU Institutions



# CEF eDelivery Service Offering

## v3.0

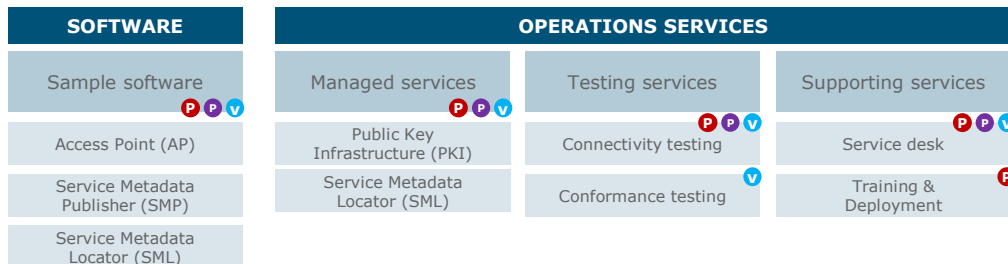
SOFTWARE

OPERATIONS SERVICES

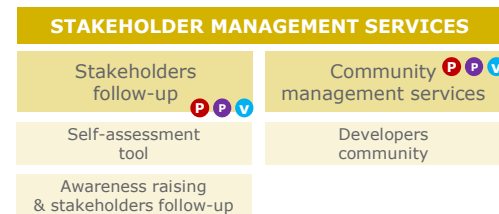
STAKEHOLDER MANAGEMENT SERVICES

TECHNICAL SPECS. / STANDARDS

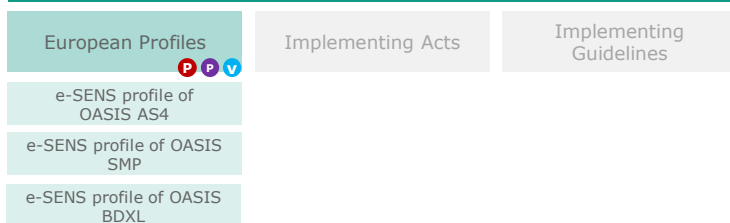
### ENABLING SERVICES *enable the adoption of the core services*



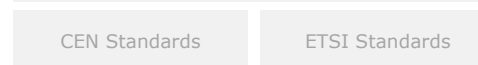
### ENHANCING SERVICES *enhance customer experience*



### TECHNICAL SPECIFICATIONS



### STANDARDS OF ESOs



#### AUDIENCE

- P Cross-border projects – Public sector entities
- P Cross-border projects – Private sector entities
- V Software vendors

### CORE SERVICES *facilitate cross-border/ cross-sector technical interoperability among heterogeneous information systems*



We invite you to be part of the

# CEF eDelivery & eInvoicing DSIs Stakeholder Days 2016

**29 November - 1 December, Brussels**

**REGISTER TODAY**

*Limited places available*



# Find out more on CEF Digital



CEF DIGITAL

Login Support



European Commission



## The CEF Building Blocks

Supported by the Connecting Europe Facility (CEF), the CEF Building Blocks offer basic capabilities that can be used in any European project to facilitate the delivery of digital public services across borders.

About the Building Blocks

eDelivery

eID

eInvoicing

eSignature

eTranslation

Learn More >



Collaborative spaces

Check them out

Grants

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