



Introducing the CEF Building Blocks

Enablers of secure crossborder digital interactions

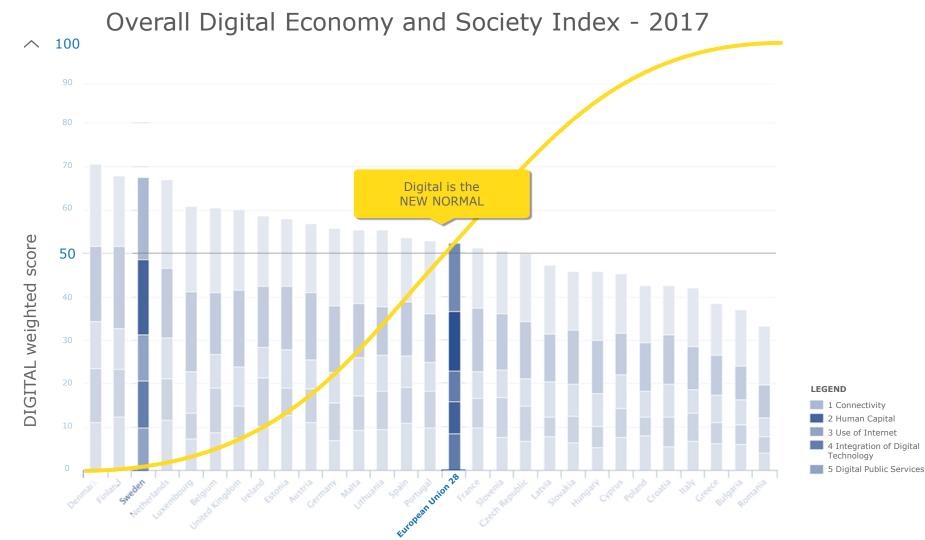
DIGIT Directorate-General for Informatics

DG Connect

Directorate-General for Communications Networks, Content and Technology



Introduction to the CEF building blocks



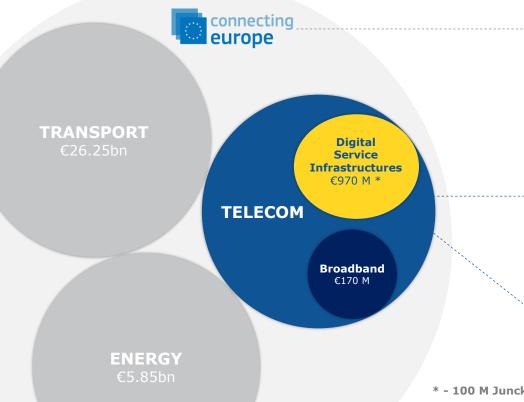
Overall Digital Economy and Society Index - 2017



Overall Digital Economy and Society Index - 2017 100 1 Member States need to work together to create a functioning Digital Single Market score 50 **DIGITAL** weighted 2 Online services need to be shaped taking into account national and cross-border requirements 4 Integration of Digital

Technology 5 Digital Public Services

What is the Connecting Europe Facility (2014 - 2020)



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

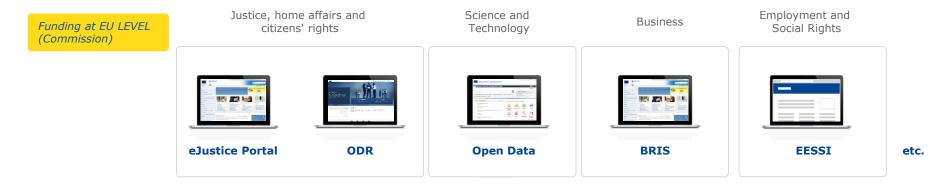
The CEF Telecom guidelines cover the specific objectives and priorities as well as eligibility criteria for funding of broadband networks and Digital Service Infrastructures (DSIs).

CEF Work Programmes

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



The CEF 'Big Picture'



Funding for the MEMBER STATES

Typically 'deployment' projects at national level up to 75% of eligible cost)

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/e're the Digital Citizens of the Future

Authentication based on eID systems in the Member States

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The last



IDENTIFY with **eID**





Electronic Invoicing



INVOICE with **eInvoicing**

Recognition of eSignatures





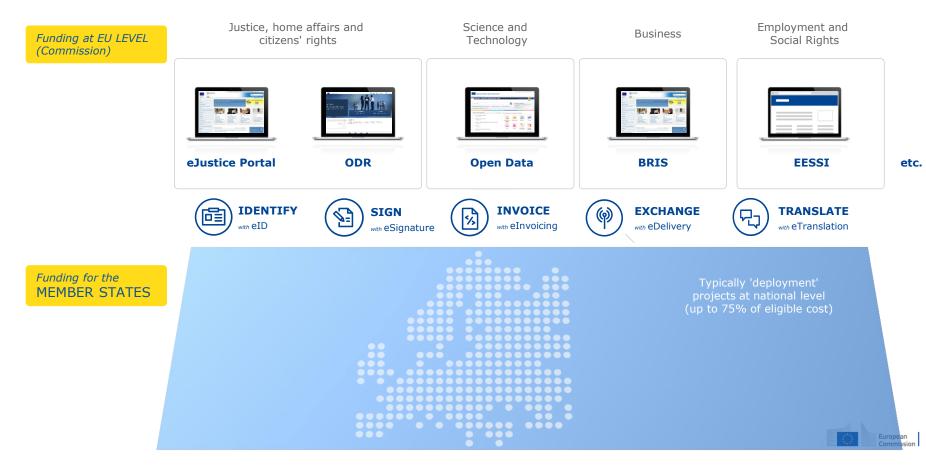
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SIGN vith eSignature



EXCHANGE with eDelivery

The CEF 'Big Picture'



Research^{*} shows that reuse of building block like solutions:



REDUCE COSTS

20% to 40% cost savings

By benefiting from common services and proven technology



SHORTER TIME TO MARKET

40% to 50% performance gains

Value-add time

Total lead time

PROMOTE SIMPLIFICATION

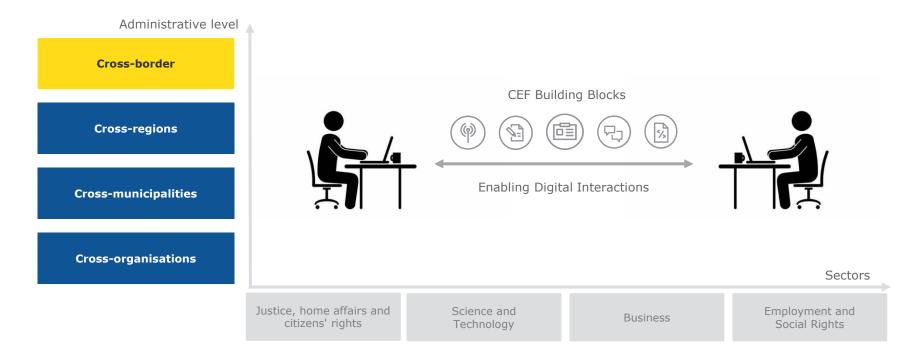
At all levels

Including the allocation and mobility of human resources (expertise pools)

* Joint research paper between Gartner research and the MIT



CEF Building Blocks support **digital interactions** at different levels and across sectors





The building blocks power the eJustice Portal

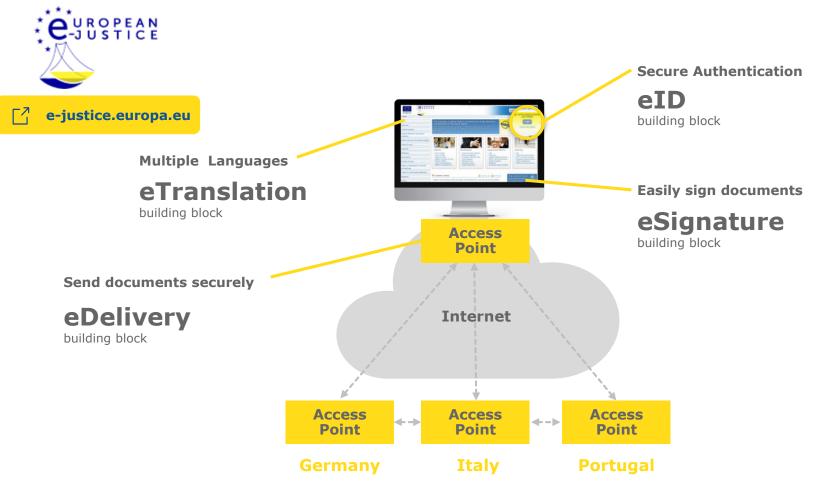




The Portal was launched on 16 July 2010 and has been expanded ever since – today it has **approximately 300.000 visitors each month**.

The Portal's objective is to contribute to the creation of a European judicial area by facilitating access to justice and **enable electronic cross-border judicial proceedings and judicial cooperation.**







How were the Building Blocks identified?





eIDAS – The Regulation in a nutshell

2 MAIN CHAPTERS SUBJECT TO DIFFERENT RULES AND REQUIREMENTS

Chapter II

Mutual recognition of e-identification means

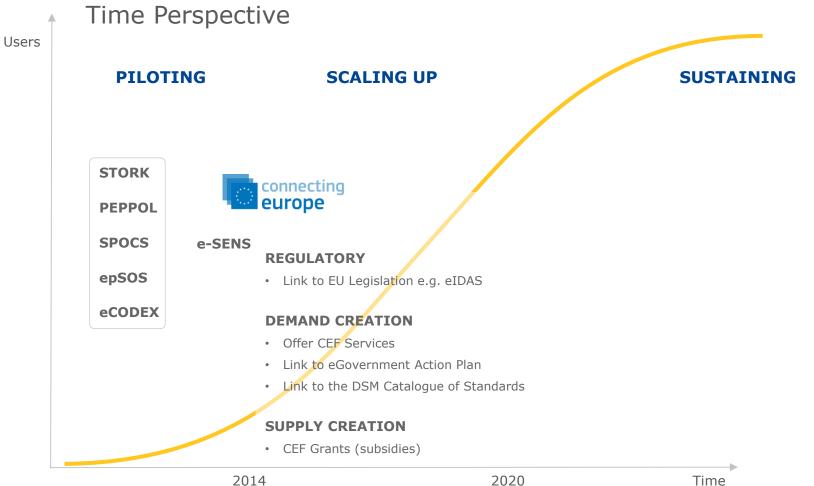
Chapter III

Electronic trust services

- Electronic signatures
- Electronic seals
- Time stamping
- Electronic registered delivery service
- Website authentication









Reuse of building blocks within the CEF Programme

eDelivery eTranslation eSignature eID eInvoicing (ه) 固 - <mark>-</mark> -9 5 **Sector Specific DSIs** Europeana DG CONNECT Safer internet DG CONNECT Public open data DG CONNECT ODR DG JUST eHealth DG SANTE eProcurement DG GROW EESSI DG EMPL EU e-Justice portal DG JUST BRIS (ECP) DG JUST Cybersecurity DG CONNECT eTranslation DGT eInvoicing DG GROW

> Commitment to analyse Commitment to reuse Reusing



Reuse of building blocks within the CEF Programme

Europeana

ODR

eHealth

EESSI

Safer internet

eProcurement

BRIS (ECP)

Cybersecurity

eTranslation

eInvoicing

EU e-Justice portal

Public open data



Commitment to analyse Commitment to reuse Reusing



Reuse of building blocks outside CEF

Commission services

16% of the Policy Systems projects and 67% of the Corporate Systems projects are reusing or committed to reuse at least one Building Block. 2

Other EU Institutions

Reusing

Interested







3

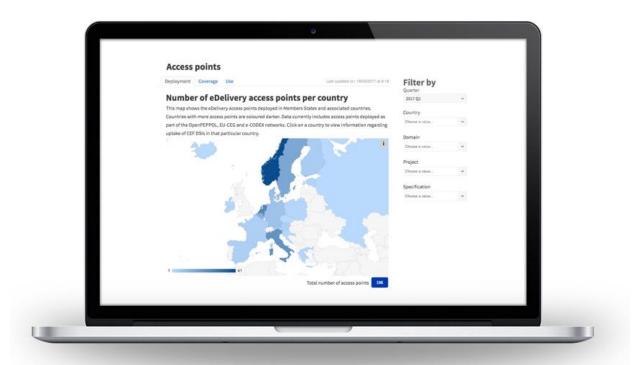
Member States

Continuous promotion and support through **services** as well as through **grants**



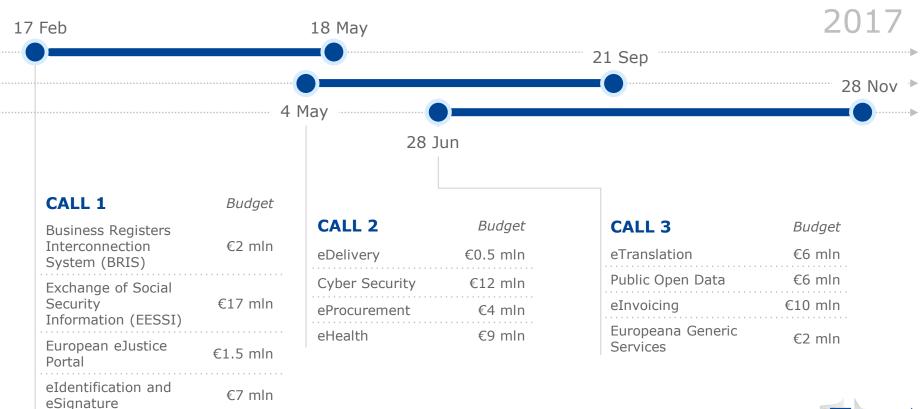
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See the latest reuse statistics



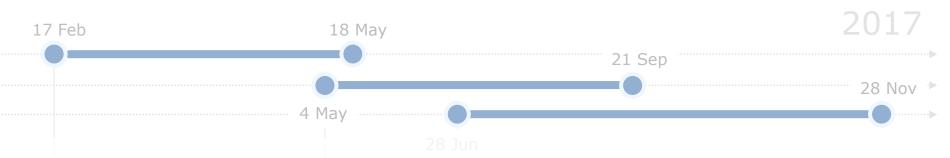


Join the wave, apply to the CEF grants



European

Join the wave, apply to the CEF grants



CROSS BORDER BENEFITS + NATIONAL BENEFITS - COST + GRANTS > 0

	Budget
Business Registers Interconnection System (BRIS)	€2 mln
Exchange of Social Security Information (EESSI)	€17 mln
European eJustice Portal	€1.5 mln
eIdentification and eSignature	€7 mln

CALL 2	Budget
eDelivery	€0.5 mln
Cyber Security	€12 mln
eProcurement	€4 mln
eHealth	€9 mln

CALL 3	Budget
eTranslation	€6 mln
Public Open Data	€6 mln
eInvoicing	€10 mln
Europeana Generic Services	€2 mln

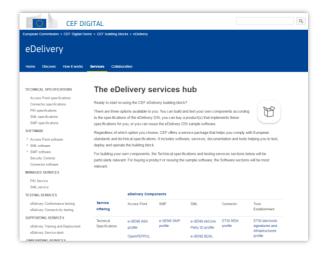


To know more

CEF Building Blocks

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

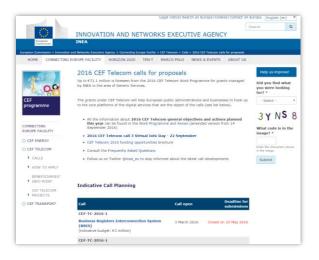
https://ec.europa.eu/cefdigital/



GRANTS

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

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

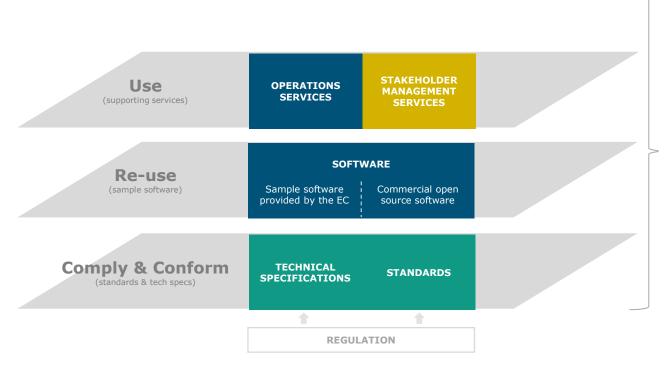






How can the Commission help you adopt eDelivery

How can the Commission help you adopt a building block

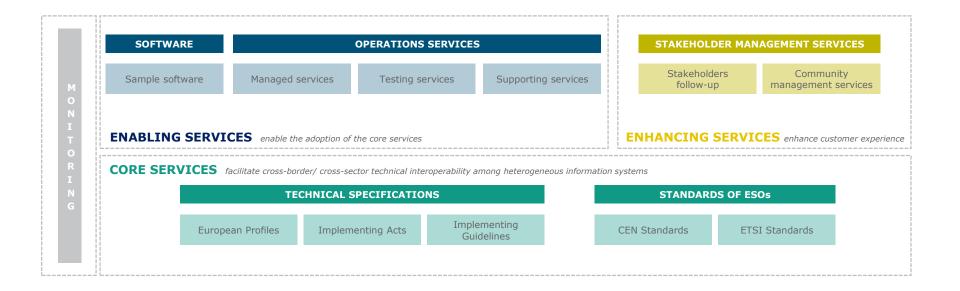


CEF Building Block Service Offering

SOFTWARE		OPERA	TIONS SERVICES				
Sample sativare	Managed ser	vices Tes	tting services	Supporting services		Stakebalders follow-up	Conversity management services
	TECHNICAL SPECI	PICATIONS		STA	NDARDS OF	E506	
Earspean Profiles	TECHNICAL SPECI	1. 10	rplementing Surdeliteres	CEN Standard	_	esos ETSE Diandarda	
		1. 10	rpiernesting Suidelines		_		
Earspean Profiles	Implementing	1. 10	Suidelites	CEN Standard	_	1781 Standarda	AUTORI

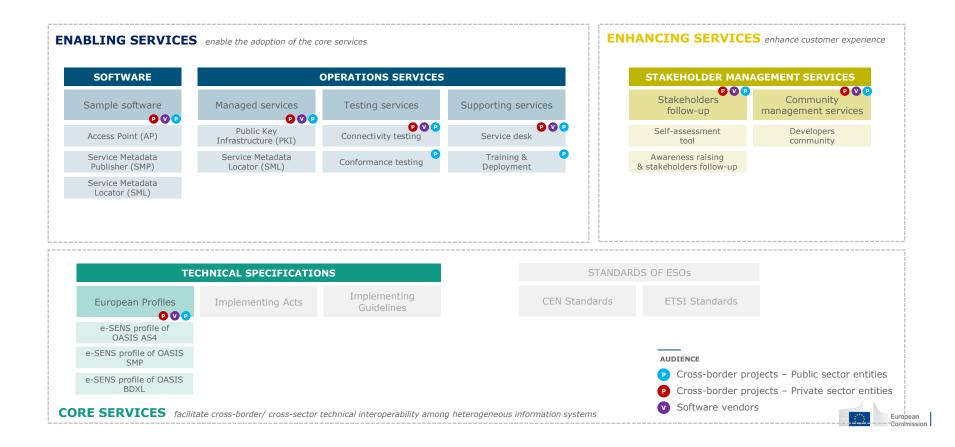


The service offering canvas of the CEF Building Blocks





CEF eDelivery Service Offering

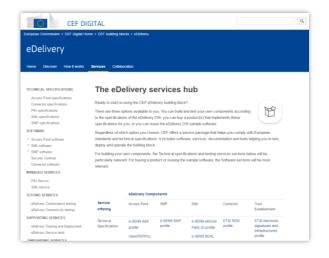


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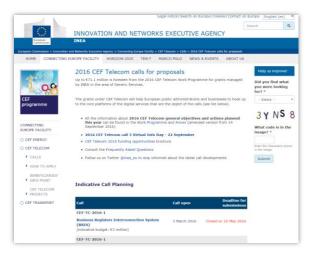
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GRANTS

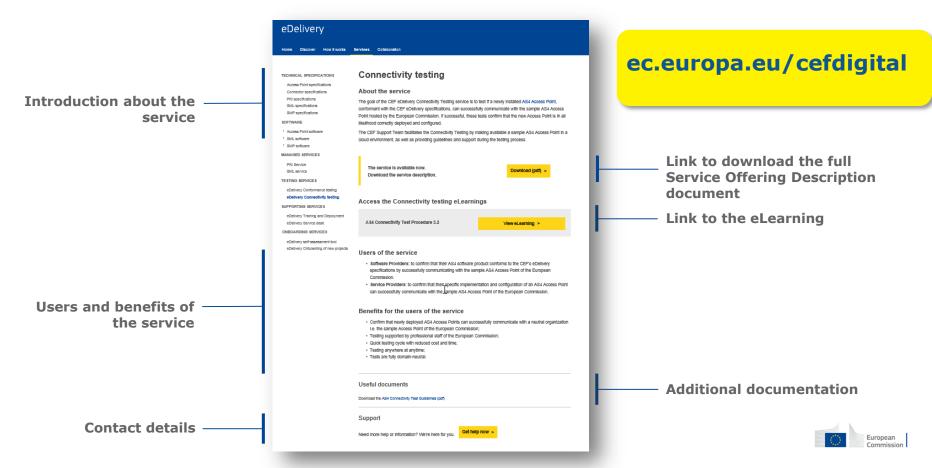
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https://ec.europa.eu/inea/connecting-europe-facility/cef-telecom





Service Offering Descriptions on the CEF Digital Portal



e-SENS AS4 conformant solutions

European Commission > CEF Digital Hon	ne > CEF building blocks	> eDelivery > eDelivery Sen	vices > eDelivery Softv	vare > Access Point software	Conformant Solutions >	
eDelivery						
Home Discover How it works	Services Collaborati	ion			DOMIBUS	
					DOMIBUS	
TECHNICAL SPECIFICATIONS	e-SENS A	S4 conform	ant soluti	ons	FLAME	
Access Point specifications Connector specifications	This page lists the s according to the e-S		or are in the process	of passing the conformance testing		
PKI specifications SML specifications	 Domibus (EC s Flame 	sample implementation)			HOLODECK	
SMP specifications SOFTWARE	 Holodeck IBM 				IBM	
 Access Point software e-SENS AS4 conformant solutions 	Laurentius Mendelson					
SML software SMP software	RSSBus				LAURENTIUS	
Security Controls Connector software	A full list of other ver	ndors supporting AS4 can	be accessed at the I	pottom of this page.	MENDELSON	
MANAGED SERVICES						
PKI Service SML service		Domibus *	Latest release Test report Contact	Download Domibus v3.1.1 Download (zip) CEF-EDELIVERY-SUPPORT@ec.europa.eu	RSSBus	
TESTING SERVICES				* (EC sample implementation)	EESSI AS4.NET	
eDelivery Conformance testing eDelivery Connectivity testing				CC sample implementation	EESSI AS4.NET	
SUPPORTING SERVICES eDelivery Training and Deployment					ADES	
eDelivery Service desk			Test report	Download FMS Server and Light Client v5.3 Download (zip)		
		CONFORMANT	Contact	info@flamems.com	Integration Cloud	
					Conformant	
		Holodeck	Latest release	Download Holodeck B2B v2.0		



Governance Model of the CEF Building Blocks



Getting started with eDelivery

FIWARE CLOUD

- What do you need to get started: only a keyboard!
- Start Domibus in the cloud for free on Fiware
 - Setup guide: <u>https://ec.europa.eu/cefdigital/wiki/x/CwFfAQ</u>

Local installation

- Get the documentation, binaries and source code on CEF Digital
- Install a local instance easily with the Quick Start guide
- <u>Connect it to the CEF connectivity Testing Service</u>





Political support in the eGovernment Action Plan 2016 - 2020

DIGITAL PUBLIC SERVICES

Online • **Transformative** • **Lean** • **Open**

DIGITALISE AND ENABLE	CONNECT	ENGAGE
Efficient and effective public services	Deliver public services across borders	Get involved in d esigning / delivering new services
Make it simple	Make it for all	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



Find out more on CEF Digital

ec.europa.eu/cefdigital



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	elnvoicing	
eDelivery	eSignature	
elD	eTranslation	

Learn More >



DIGIT

Directorate-General for Informatics

DG CONNECT

Directorate-General for Communications Networks, Content and Technology

Contact us

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