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EC (DG SANTE)

## The eHealth DSI

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2017-03-22, Solution Provider

# Materials prepared by the eHDSI Solution Provider

v7, updated 2017-03-13

## Topics tackled

1. CEF eHealth DSI (eHDSI)
2. Use Cases: **Patient Summary** and **ePrescription**
3. eHDSI System **Architecture**
4. eHDSI **Service** Offering
5. eHDSI **Core** Services
6. eHDSI **Generic** Services
7. eHDSI **Timescales**
8. eHDSI Communication & **Collaboration**



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eHealth DSI

# 1. CEF eHealth DSI (eHDSI)

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# CEF Telecom – what does it finance



## DIGITAL SERVICE INFRASTRUCTURES (DSIs)

EUROPEAN COMMISSION

MEMBER STATES

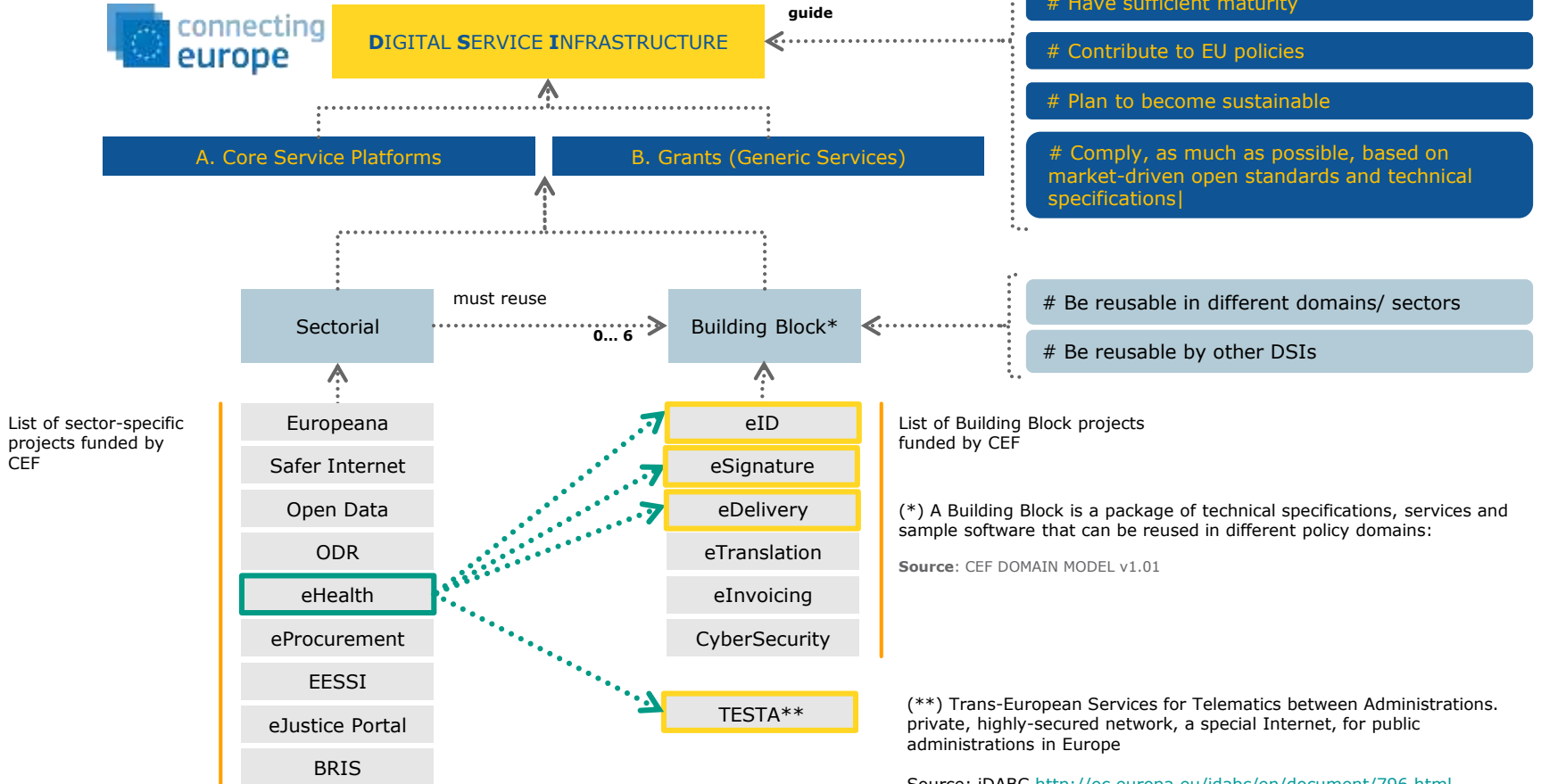
CORE SERVICE PLATFORM  
(Services offered by the European  
Commission)

<https://ec.europa.eu/cefdigital/wiki/x/QAFAQ>

GENERIC SERVICES  
(Grants for projects in the Member  
States)

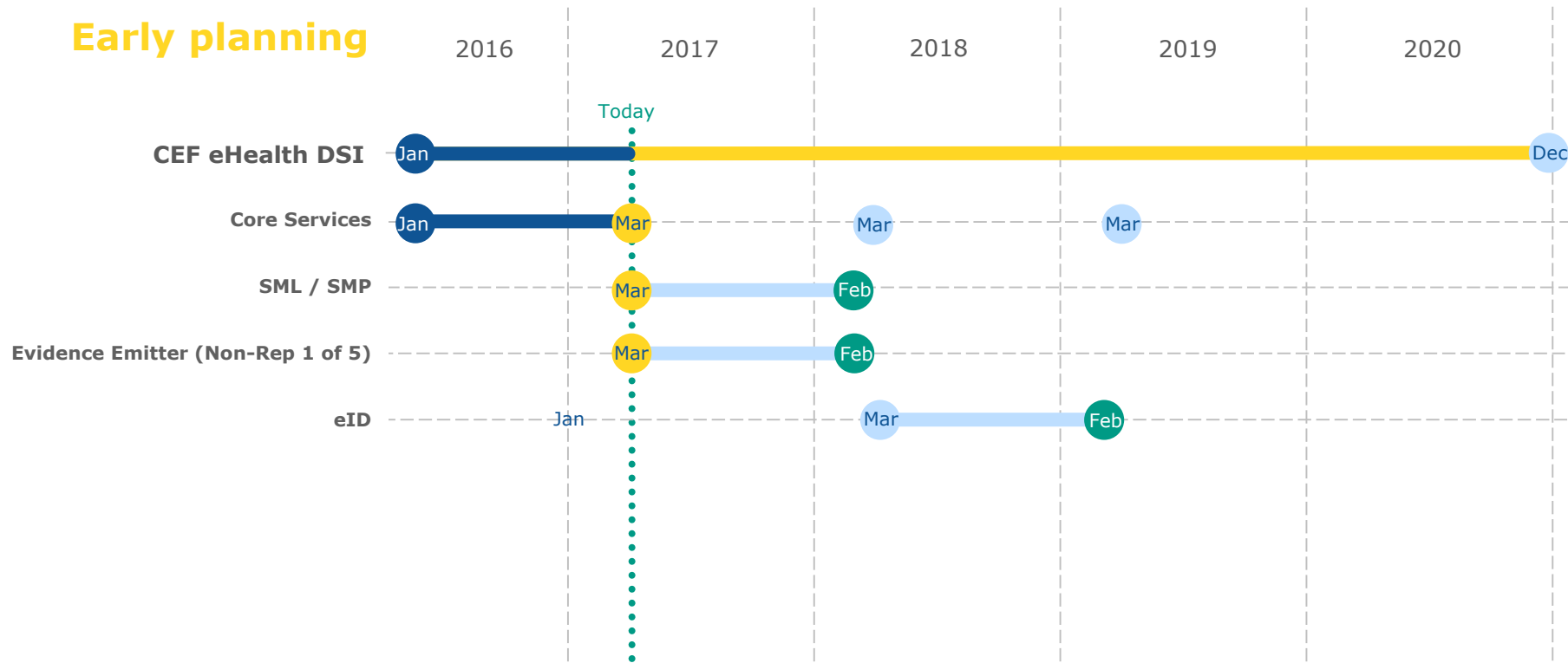
<https://ec.europa.eu/inea/connecting-europe-facility/cef-telecom>

# What are the CEF DSIs



# CEF Building Blocks - adoption roadmap (routine operations)

## Early planning



PLANNED

IN PROGRESS

COMPLETED

# CEF eHealth DSI (eHDSI)

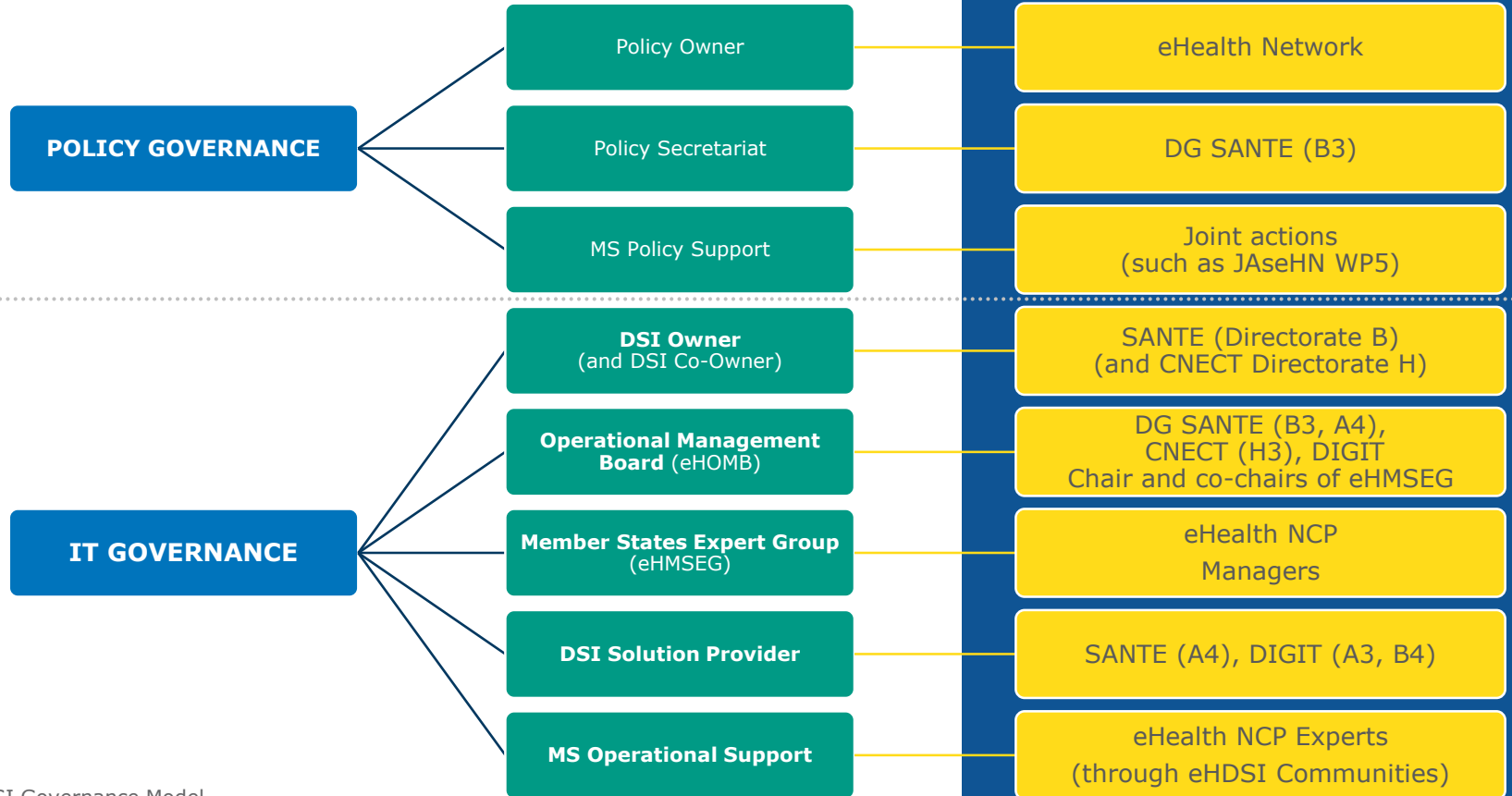
## What is the eHealth DSI?

- Tools and services using ICTs that can improve cross border Healthcare services.
- Use Cases:
  - **Patient Summary**, provides access to health professional to verified key health data of a patient during an unplanned care encounter while abroad
  - **ePrescription**, enables patients to receive equivalent medication treatment while abroad to what they would receive in their home country

## eHealth DSI Countries Deploying Services

	PS	eP
Austria	♥	♥
Croatia	♥	♥
Cyprus	♥	♥
Czech Republic	♥	
Estonia	♥	♥
Finland		♥
France	♥	
Germany	♥	
Greece	♥	♥
Hungary	♥	♥
Ireland	♥	♥
Italy	♥	♥
Luxembourg	♥	
Malta	♥	
Portugal	♥	♥
Sweden		♥
Switzerland	♥	♥

# eHDSI Governance organisation







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eHealth DSI

## 2. Use Cases: **Patient Summary** and **ePrescription**

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# Use Cases: Patient Summary and ePrescription



**GUIDELINE**  
on  
the electronic exchange of health data under  
Cross-Border Directive 2011/24/EU  
Release 2  
Patient Summary for unscheduled care

**Document Information:**

Document status:	Adopted by the eHealth Network at their 10th meeting on 21st November 2014
Approved by JASEHN ePSC:	Yes
Document Version:	V1.0
Document Number:	DL-1.1
Document produced by:	Joint Action to Support the eHealth Network <ul style="list-style-type: none"> <li>WP 5 - Interoperability and Interlinkability</li> <li>Task 1.1 - Update &amp; review of EU eHealth Guidelines</li> </ul>
Author(s):	Jenny Thony (DGCC), Dany Sassi (ASE Luxembourg), Christel Garcia (GEMATE)
Member State Contributor(s):	Austria, Finland, Germany, Greece, Hungary, Lithuania, Malta, Sweden
Stakeholder Consultant(s):	CEN-IPS, COCIB, DG SANTE, EMA, European Society of Cardiology (ESC), European HF Population Pharmaceutical Group of the European Union (EPEU), Sanofi-Sintelabo



**GUIDELINE**  
on  
the electronic exchange of health data under Cross-Border Directive 2011/24/EU  
Release 2  
ePrescriptions and eDispensations

**Document Information:**

Document status:	Adopted by the eHealth Network at their 10th meeting on 21st November 2014
Approved by JASEHN ePSC:	Yes
Document Version:	V1.0
Document Number:	DL-1.2
Document produced by:	Joint Action to Support the eHealth Network <ul style="list-style-type: none"> <li>WP 5 - Interoperability and Interlinkability</li> <li>Task 1.2 - Update &amp; review of EU eHealth Guidelines</li> </ul>
Author(s):	Jenny Thony (DGCC), Dany Sassi (ASE Luxembourg), Christel Garcia (GEMATE)
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**GUIDELINE**  
on  
the electronic exchange of health data under  
Cross-Border Directive 2011/24/EU  
Release 2  
General guidelines

**Document Information:**

Document status:	Adopted by the eHealth Network at their 10th meeting on 21st November 2014
Approved by JASEHN ePSC:	Yes
Document Version:	V1.0
Document Number:	DL-1.3
Document produced by:	Joint Action to Support the eHealth Network <ul style="list-style-type: none"> <li>WP 5 - Interoperability and Interlinkability</li> <li>Task 1.3 - Update &amp; review of EU eHealth Guidelines</li> </ul>
Author(s):	Jenny Thony (DGCC), Dany Sassi (ASE Luxembourg), Christel Garcia (GEMATE)
Member State Contributor(s):	Austria, Finland, Germany, Greece, Hungary, Lithuania, Malta, Sweden
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eHealth DSI

## 3. eHDSI System Architecture

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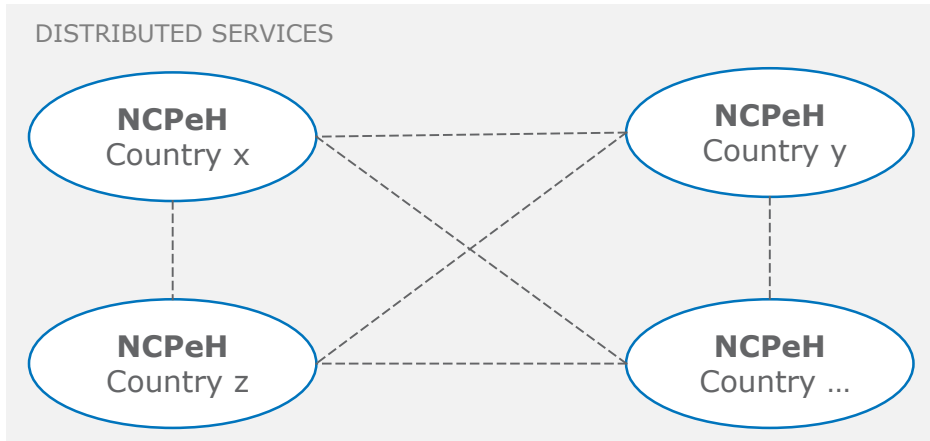
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# eHDSI System Architecture

CONFIGURATION



RUN-TIME



## Central Services

- 1 EU wide instance
- Configuration

## NCPeH – National contact Point for eHealth

- 1 per Country
- Run-time



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eHealth DSI

## 5. eHDSI Core Services

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# eHDSI Core Services (1 of 2)

SERVICE	PURPOSE
<b>Services REQUIREMENTS</b>	Provide a clear set of policy and business requirements elicited from Regulation, Directives, Implementing acts, policies and guidelines, that drive the specification, implementation and operation
<b>Services SPECIFICATION</b>	Provide eHDSI Interoperability specifications that enable the building of NCPeH and the Service Network
<b>CONFIGURATION services</b>	Enable NCPeH Service Network establishment through automated configuration management
<b>TERMINOLOGY services</b>	Enable MVC distribution and support MTC management
<b>TEST AND AUDIT services</b>	Establish the Tests and Audit requirements that must be fulfilled to enter in the NCPeH Operational Network

## Provided by:

- eHDSI
  - Owner (DG SANTE B3)
  - Solution Provider (DG SANTE A4)



## Use of eID for Patient Identification

draft study on "The use of CEF eID in the CEF eHealth DSI"

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# CORE Services: **Interoperability Specifications on eHealth eID**

## Objective

Possible use of the CEF eID building block in the eHealth DSI use cases.

## Purpose

**Patient Identification** when receiving health care while abroad

## eHealth use cases

- **Patient Summary** (Cross-border)
- **ePrescription and eDispensation** (Cross-border)

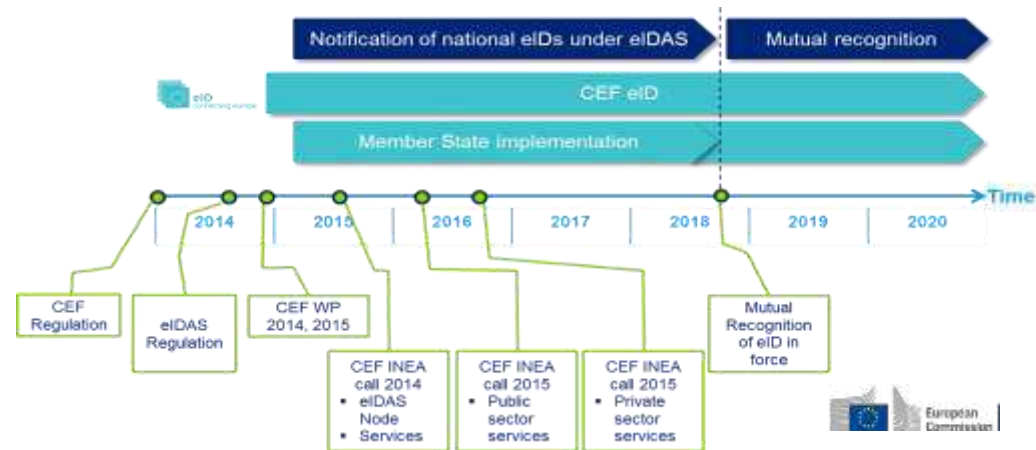


# Context – eIDAS & CEF eID

- **eIDAS Regulation:** (2014) requires Member States to recognise eIDs from other Member States (mutual recognition):
  - › By Sep 2018, any Member State that provides public services using an eID must recognise eIDs from other Member States;
  - › Until then Member States can notify their national eID schemes to make them available through the eIDAS Network;
  - › For this, they need to make their national eID schemes interoperable across borders.

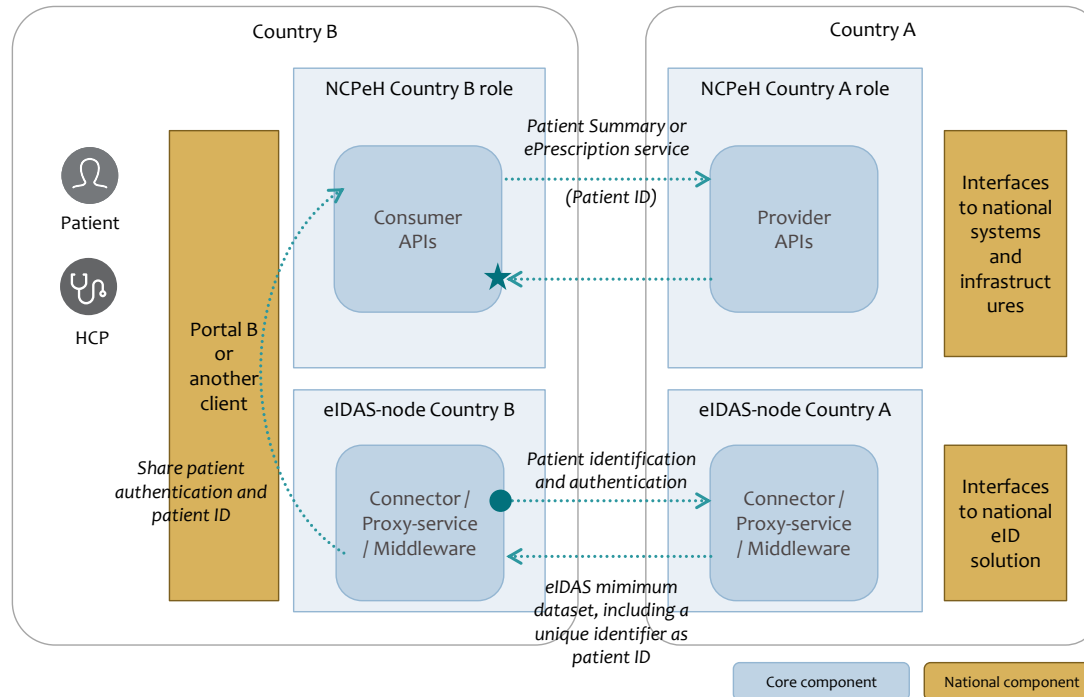
- **CEF eID:**

- › CEF eID: supports MS in defining technical specs and sample software
- › CEF: financially supports the deployment in MS



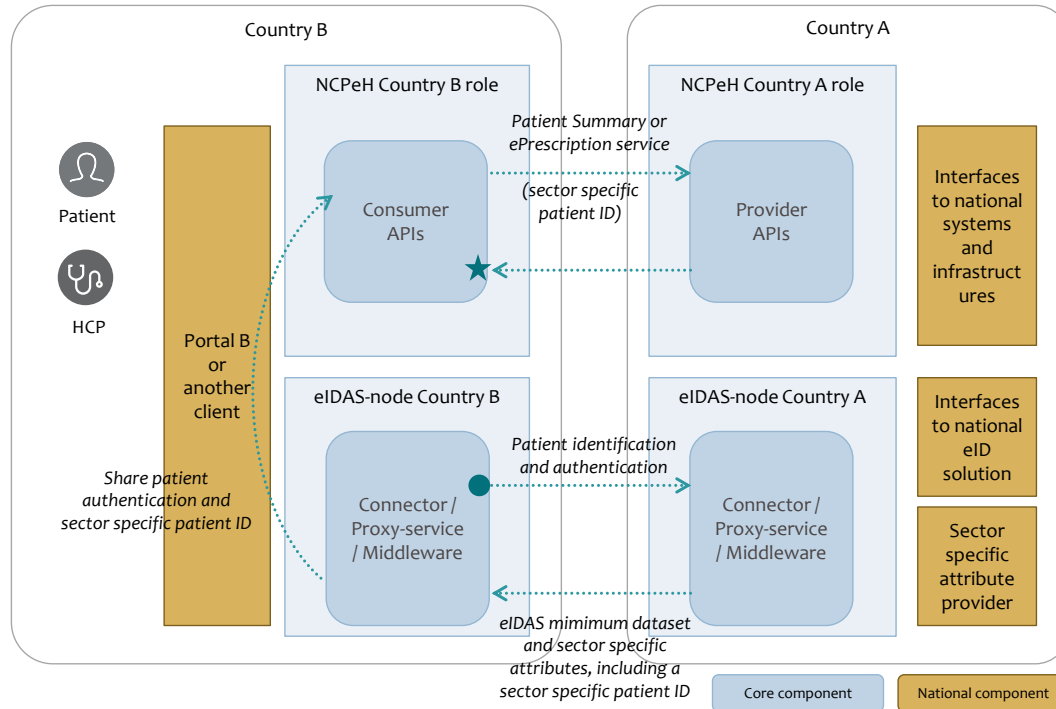
# Key Findings - Scenario 1

Scenario 1 – Use of **national eID** scheme with **unique identifier** that is used as the patient ID number for eHealth use cases



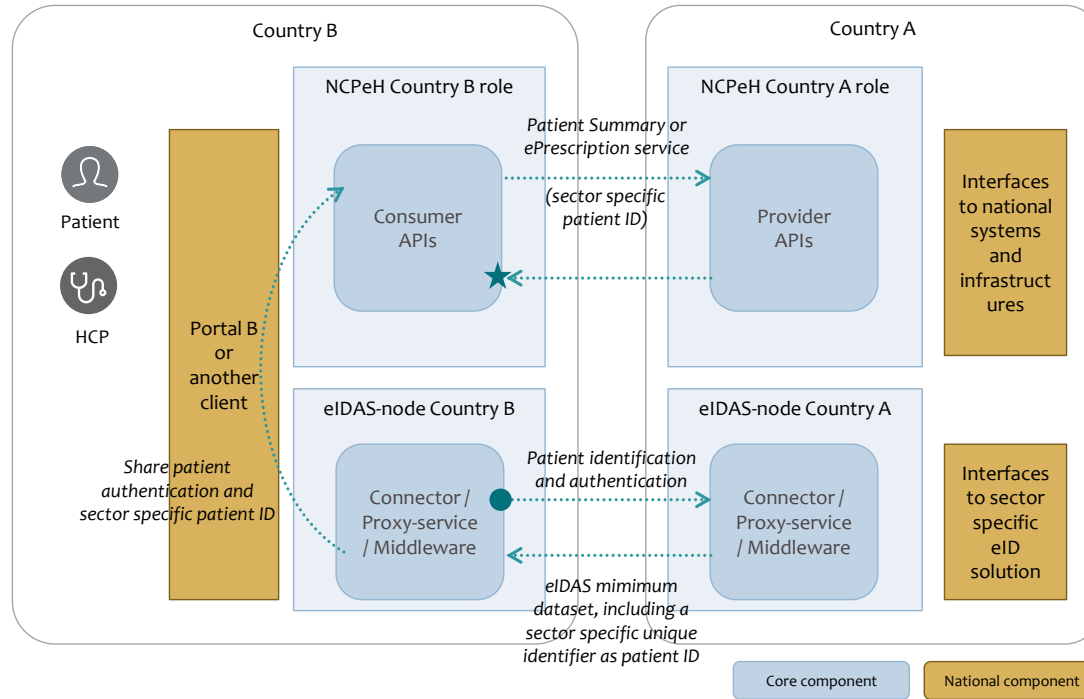
## Key Findings - Scenario 2

Scenario 2 – Use of **national eID** scheme with unique identifier that is **not used as the patient ID number** for eHealth use cases (e.g. AT, PT, CZ);



# Key Findings - Scenario 3

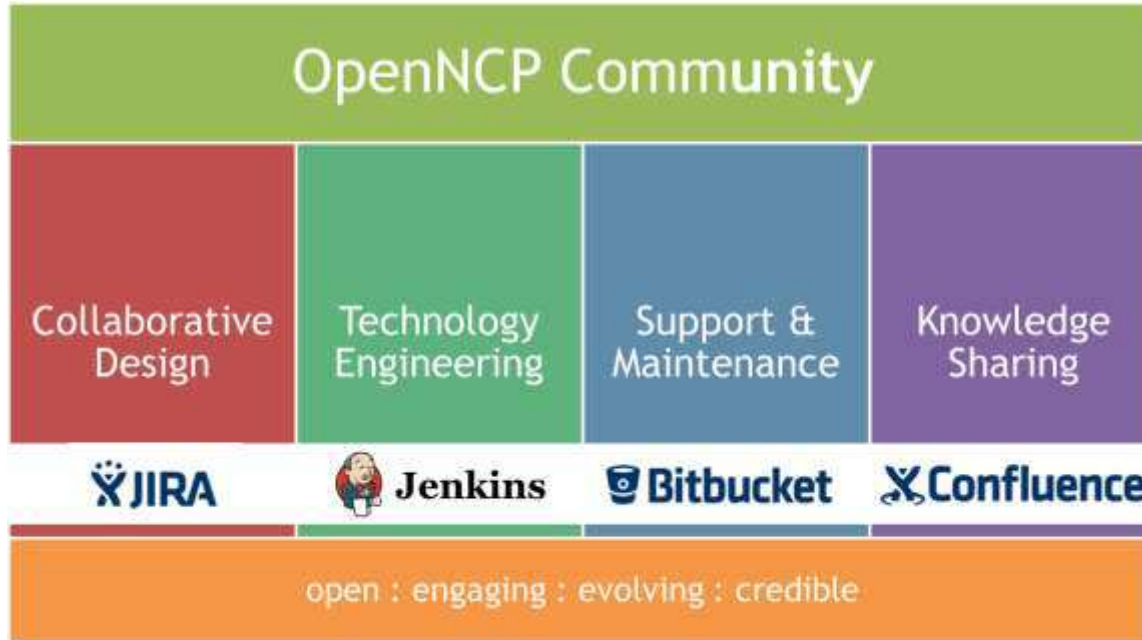
Scenario 3 – Use of national **sector specific eHealth eID** scheme with **sector specific patient ID number** for eHealth use cases (e.g. IT (current situation)).



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# eHDSI Generic Services

## OpenNCP Technology - Community





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eHealth DSI

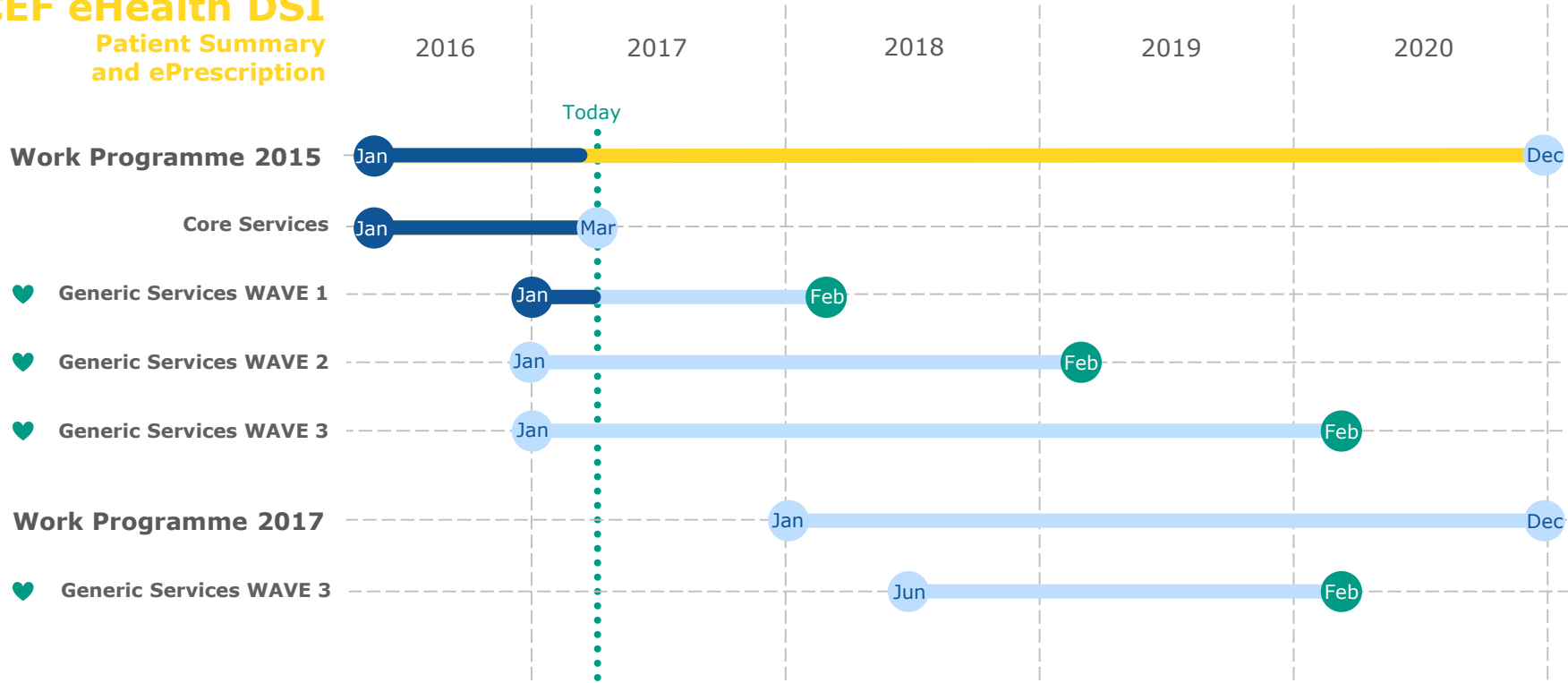
## 7. eHDSI Timescales

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# eHDSI Timescales: **GoLive**

## CEF eHealth DSI Patient Summary and ePrescription



PLANNED    IN PROGRESS    COMPLETED



***The meaning for jointly Pursuing and Achieving***