Materials prepared by the eHDSI Solution Provider

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
1. CEF eHealth DSI (eHDSI)

Updated 2017-03-22, Solution Provider
CEF Telecom – what does it finance

DIGITAL SERVICE INFRASTRUCTURES (DSIs)

EUROPEAN COMMISSION

CORE SERVICE PLATFORM
(Services offered by the European Commission)
https://ec.europa.eu/cefdigital/wiki/x/QAFAQ

MEMBER STATES

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 PRINCIPLES**

- # Cross-border use
- # Deliver services by digital means
- # Have sufficient maturity
- # Contribute to EU policies
- # Plan to become sustainable
- # Be reusable in different domains/sectors
- # Be reusable by other DSIs

**Digital Service Infrastructure**

- A. Core Service Platforms
- B. Grants (Generic Services)

**Sectorial**
- eID
- eSignature
- eDelivery
- eTranslation
- eInvoicing
- Europeana
- Safer Internet
- Open Data
- ODR
- eHealth
- eProcurement
- EESSI
- eJustice Portal
- BRIS
- CyberSecurity
- TESTA**

Source: CEF DOMAIN MODEL v1.01

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


(**) Trans-European Services for Telematics between Administrations. Private, highly-secured network, a special Internet, for public administrations in Europe.

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
**eHDSI Governance organisation**

<table>
<thead>
<tr>
<th>POLICY GOVERNANCE</th>
<th></th>
<th>IT GOVERNANCE</th>
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</thead>
<tbody>
<tr>
<td>Policy Owner</td>
<td></td>
<td>eHealth Network</td>
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<tr>
<td>Policy Secretariat</td>
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<td>DG SANTE (B3)</td>
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<tr>
<td>MS Policy Support</td>
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<td>Joint actions (such as JAseHN WP5)</td>
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<tr>
<td>DSI Owner (and DSI Co-Owner)</td>
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<td>SANTE (Directorate B) (and CNECT Directorate H)</td>
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<tr>
<td>Operational Management Board (eHOMB)</td>
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<td>DG SANTE (B3, A4), CNECT (H3), DIGIT Chair and co-chairs of eHMSEG</td>
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<tr>
<td>Member States Expert Group (eHMSEG)</td>
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<td>eHealth NCP Managers</td>
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<tr>
<td>DSI Solution Provider</td>
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<td>SANTE (A4), DIGIT (A3, B4)</td>
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<tr>
<td>MS Operational Support</td>
<td></td>
<td>eHealth NCP Experts (through eHDSI Communities)</td>
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**Source:** eHDSI Governance Model  
[https://ec.europa.eu/cefdigital/wiki/x/z0QZAg](https://ec.europa.eu/cefdigital/wiki/x/z0QZAg)
2. Use Cases: Patient Summary and ePrescription

Updated 2017-03-13, Solution Provider
Use Cases: **Patient Summary** and **ePrescription**
3. eHDSI System Architecture

Updated 2016-11-14, Solution Provider
eHDSI System Architecture

Central Services
- 1 EU wide instance
- Configuration

NCPeH – National contact Point for eHealth
- 1 per Country
- Run-time
5. eHDSI Core Services

Updated 2017-03-13, Solution Provider
## eHDSI Core Services (1 of 2)

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

Updated 2016-11-29, eHDSI Solution Provider (source: draft study "The use of CEF eID in the CEF eHealth DSI", Deloitte, 2016-12-01
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
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)).
eHDSI Generic Services
OpenNCP Technology - Community
7. eHDSI Timescales

Updated 2017-03-13, Solution Provider
eHDSI Timescales: GoLive

**CEF eHealth DSI**
Patient Summary and ePrescription

- **Work Programme 2015**
  - Core Services: Jan → Mar
  - Generic Services WAVE 1: Jan → Feb
  - Generic Services WAVE 2: Jan → Feb
  - Generic Services WAVE 3: Jan → Feb

- **Work Programme 2017**
  - Generic Services WAVE 3: Jan → Jun → Feb

- **Timeline**:
  - 2016
  - 2017: Today
  - 2018
  - 2019
  - 2020

- **Statuses**:
  - Planned
  - In Progress
  - Completed
The meaning for jointly Pursuing and Achieving