NIF: IOP Product Catalogue of the National Interoperability Committee

(Last updated on : 28.02.2023)

IOP products of the "**Service**" type

📦 eIDAS Node

📦 Self-registration service for an eID notified under eIDAS

📦 API Gateway

📦 Open Data Portal

📦 Geoportail.lu platform

📦 Portal for public procurement contracts

📦 MyGuichet platform

IOP products of the "**Service**" type

National Registry of Natural Persons

Electronic archiving platform

LegiPro

Legilux – "Casemates"

Art décor

Healtcare Provider Directory

eQualis

IOP products of the "**Service**" type

📦 eLearning platform

📦 IOP Check

📦 National Portal for public inquiries

Product: eIDAS Node

Description:

The Luxembourg eIDAS node is a central service set up by the CTIE that allows users of foreign eIDs notified under *Regulation (EU) No 910/2014 of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market* to authenticate themselves in the context of administrative procedures and online services offered in Luxembourg and in particular on MyGuichet.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:

The eIDAS node is an essential service to enable:
- cross-border interoperability of eIDs used for authentication;
- public sector bodies responsible for online services to comply with the legal obligations set out in the eIDAS Regulation or in other provisions of EU law, such as, for example, Regulation (EU) 2018/1724 of 2 October 2018 establishing a single digital gateway.

Links:
- https://eidas.services-publics.lu/cisie-node/ServiceProvider?req_lang=en
- https://digital-strategy.ec.europa.eu/en/policies/eidas-regulation

Product: Self-registration service for an eID notified under eIDAS

Description:

In order to be able to know to which person in the National Registry of Natural Persons an eID used by a person authenticating via eIDAS corresponds when using an online service, that person must, the first time he or she uses a given eID for an online service in Luxembourg, link the unique identifier of the certificate of his or her eID to his or her registration number ('matricule') in the National Registry (RNPP).
The online service for self-registration of an eID notified under eIDAS offered by the CTIE on MyGuichet makes it possible to create this link.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:

To enable cross-border users accessing online services with an eID notified under eIDAS to actually use the online services offered by creating the essential link between the unique identifier of the certificate of the eID used and the person's registration number in the National Registry of Natural Persons. This is therefore an essential, central building block for true cross-border interoperability.

Links:

- https://eidas.services-publics.lu/cisie-node/ServiceProvider?req_lang=en
- https://digital-strategy.ec.europa.eu/en/policies/eidas-regulation

Product: API Gateway

Description:

An API gateway is an API management tool which sits between a client and a set of backend services. An API gateway acts as a reverse proxy to accept all application programming interface (API) calls, aggregate the various services needed to satisfy them and return the appropriate result. This increases decoupling, security and interoperability of services at the State level.

Type of product: Service / Specification

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:

To establish an API management platform for the CTIE
- Exchange of information with third party systems
- Robust security checks with a comprehensive approach to security
- Integration with the CTIE infrastructure
- To define a standardised approach to data exchange between stakeholders
- Clearly defined roles and responsibilities

Links: /

Product:

Open Data Portal

Description:

Open Data offers new opportunities for the State to collaborate with citizens and businesses and to evaluate public services by giving access to as much of its data as possible in as open a format as possible.

The data.pubic.lu website is the Luxembourg open data platform and contains ~1400 open data sets.

Type of product:

Service

Responsible OSP:

Information and Press Service (SIP)

CSI(s) concerned:

All

Rationale:

The Open Data Portal has to be included in the national catalogue because it is the portal for Luxembourg's open data and implements to perfection the principles of the NIF, such as openness, transparency, reuse, reusability, sharing, technological neutrality, data portability or inclusion.

Links:

- http://data.public.lu

Product: Geoportail.lu platform

Description:
The Geoportal is the central dissemination platform for all the State's geographical data. Any geographic dataset must be announced to the Geoportal, where it will then be disseminated in the form of maps and open data. The Geoportal also offers APIs to any third party (private or public) wishing to consume cartographical data.

Type of product: Service

Responsible OSP: Land Registry and Topography Admin.

CSI(s) concerned: All

Rationale:
The geoportal is the sole source of geographical data of the Luxembourg State. Geographic data of all kinds are centralised on this platform and it is heavily used by public and private actors. As the geoportal is a national platform, it is an excellent candidate for the national NIF catalogue.

Links:
- https://geoportail.lu

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: Portal for public procurement contracts

Description:

The Portal for public procurement contracts which has been operational since 2006, is intended for all contracting authorities and entities as well as for economic operators. It facilitates access to public procurement. Through this portal, businesses can find in a single place notices of contract opportunities for works, supplies and services from Luxembourg public sector bodies.
The portal allows you to consult public procurement notices, download tender documents (specifications, forms, etc.), communicate electronically and ask questions about public procurement contracts.

Type of product: Service

Responsible OSP: Ministry of Mobility and Public Works (MMTP)

CSI(s) concerned: All

Rationale:

The Portal for public procurement contracts is a product which deserves to be included in the national IOP catalogue because it is the standardised central platform that all public sector bodies must use for their public tenders.

Links:

- https://marches.public.lu/fr.html

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: MyGuichet platform

Description:

MyGuichet.lu is the secure interactive platform of guichet.lu. It enables administrative procedures to be filed electronically in a secure manner with or without the help of a LuxTrust certificate or the Luxembourg electronic identity card. The user fills in the form online, signs it electronically in the case of an authenticated procedure, attaches supporting documents and then sends it through MyGuichet.lu.
MyGuichet.lu also allows users to consult, in their personal space, some of their personal data held in authentic sources. Those data can normally be reused to pre-fill in forms.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:

MyGuichet is an ideal candidate to be included as an IOP product in the catalogue because the platform allows the systematic reuse - for the generation of a new form, for access to authentic sources, for reuse of data from authentic sources and for the functionalities of the personal space in general – of standardised modules which have proved their worth and have been implemented with maximum regard for the principles that are also dear to the NIF, such as security and privacy, accessibility, a user-centred approach, transparency and multilingualism.

Links:

- https://guichet.public.lu/en/support/aide/introduction.html
- https://guichet.public.lu/content/dam/guichet/catalogue-publications/myguichet/myguichet-presentation-entreprises/myguichet-entreprises-en-web.pdf

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: National Registry of Natural Persons

Description:
The National Registry of Natural Persons (RNPP) is the national register which gathers all the data relating to the identification of natural persons (resident or otherwise) in contact with a Luxembourg administration and guarantees the uniqueness and unambiguousness of the national identification number ('matricule') assigned to a natural person. It keeps a record of any updates to the personal data of a natural person registered in it and serves as the basis for the production of travel documents, identity documents, residence permits, driving licences and other administrative documents.
The services and administrations which have access to this Registry must in principle apply the "Once Only" principle and no longer require the citizen to produce certificates in order to attest to the accuracy of data already contained in the RNPP.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:
The RNPP is the authentic source to be re-used for essential data relating to a natural person. This register is already widely used in many procedures and by many public sector bodies. The RNPP thus makes it possible to implement in particular NIF principles such as transparency, re-use, re-usability, sharing and a user-centred approach.

Links:
- http://legilux.public.lu/eli/etat/leg/loi/2013/06/19/n3/jo.
- https://guichet.public.lu/en/citoyens/citoyennete/registre-national/identification-registre-national.html.

Product: Electronic archiving platform

Description:

The CTIE's electronic archiving platform offers an archiving service with "probative value" for digital documents produced by an administration. It is thus a question of offering the possibility of preserving a digital original or a copy with probative value under conditions that ensure reliable guarantees as to the maintenance of the integrity of the preserved document.

In order to be able to offer this service in compliance with the regulations in force, the platform has the status of a digitalisation or conservation service provider (PSDC) granted by the ILNAS.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: All

Rationale:

The electronic archiving platform is a product that belongs in the national IOP catalogue because it is the central reference service, available to all public sector bodies for re-use, which enables them to comply with the principle of preserving NIF information in a secure, compliant and reliable manner.

Links: /

LE GOUVERNEMENT
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Ministère de la Digitalisation

Product: LegiPro

Description:

LegiPro is a platform for the exchange of electronic documents between the SCL and the Council of State in the context of the legislative and regulatory procedures. Texts are submitted to the Council of State for an opinion via this electronic channel, while paper is still used in parallel. Through LegiPro, the Council of State receives files for opinion in an electronic version, ready for transmission to the Councillors of State. This platform ensures that government documents are forwarded to the Council of State more quickly under the legislative and regulatory procedures and enables the committee responsible for a file at the Council of State to process the text in computerised form.

The "LegiPro" application is closely interconnected with the "Casemates" legislative database. The export of certain information from legislative and regulatory drafts to Legilux implements the obligations of a transparent and open administration.

In 2022, LegiPro will become a rotating platform between the government, the Council of State and the Chamber of Deputies, which is a further step towards the dematerialisation of the legislative and regulatory procedures.

Type of product: Service

Responsible OSP: Central legislative service (SCL)

CSI(s) concerned: CNI

Rationale:

Electronic exchange of documents of the legislative procedure and dematerialisation of the legislative procedure.
Opening up to civil servants who follow the legislative process in their ministerial departments planned for early 2022.
Facilitates for all actors (SCL, Ministries, Council of State and Chamber of Deputies) the exchange and monitoring of the legislative and regulatory procedure.

Links: https://legipro.intranet.etat.lu

Product: LegiLux – "Casemates"

Description:

The "Casemates" project is a suite of applications and an RDF database developed by the SCL for the digital publication of legislation. This data driven approach is part of a process of opening up and reusing legislative data, from the perspective of the "Semantic Web" or "Web of Data" (linked data) and the EU "PSI" Directive.

It is a question of structuring data resources so that machines can better exploit them, but also of facilitating access to and reuse of the data.

The "JOLux" ontology describes all the relationships that an act can have with another act and its metadata. All the resources described (legislative text, legislative drafts, ...) are available in XML format according to the LegalDocML xml model and have perennial identifiers in the form of URIs. The URIs of the legislative resources (acts, consolidations, Official Journals) are assigned in accordance with the ELI standard.

"Casemates" provides a controlled vocabulary that is used by all applications in the "Casemates" suite, which can easily be adapted for reuse by other government applications.

The Swiss Confederation and the Italian Republic purchased "Casemates" and some of its components developed by the SCL in December 2019 and May 2021 respectively. A "closed open source" approach has been launched between the three countries.

Type of product: Service

Responsible OSP: Central legislative service (SCL)

CSI(s) concerned: CNI

Rationale:

Improving access to Luxembourg legislation - drafts, acts, codes and consolidations - on legilux.public.lu;
Controlled vocabulary: https://data.legilux.public.lu/vocabulaires/fr/
Facilitating publication in the Official Journal
Data driven approach
Reuse of data, "PSI" Directive and interconnection of data.

Links:

www.legilux.public.lu (human access)
www.data.legilux.public.lu (machine access)

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: Art décor

Description: Service (and methodology) allowing XML files to be specified collaboratively, in particular CDA compatible files, so as to apply more refined rules than an XSD (Schematron) and to generate such rules automatically.

Type of product: Service

Responsible OSP: eHealth Agency

CSI(s) concerned: CNI

Rationale: Based on the CDA and Schematron standards, a graphic tool for communicating specifications, Schematron principles reusable in all sectors and not necessarily well known.

Links:

Product: Healthcare Provider Directory

Description: National directory of health professionals.

Type of product: Service

Responsible OSP: eHealth Agency

CSI(s) concerned: CNI

Rationale: Allows the listing of professionals and their professions and specialities (authentication) in order to delegate authorisation to third party systems.

Links:

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: eQualis

Description:

Test Lab to ensure the compliance of third party systems wishing to connect to the national eHealth platform, and more generally the compliance of health systems with defined requirements. It is about helping to set up governance (providing assistance, helping with implementation) and less about making the product available.

Type of product: Service

Responsible OSP: eHealth Agency

CSI(s) concerned: CNI

Rationale:

The systems that can be tested may come from different sectors. The approach can be shared to benefit from the experience of other sectors in this area.

Links:

Product: eLearning platform

Description:

The eLearning platform has been designed as a shared and reusable platform for the administrations and ministries of the state sector, as well as for the municipal sector. It includes the "LMS Moodle" and "BigBlueButton" modules, two technologies used by INAP in the management and design of e-learning and/or webinars.

It allows learners to follow synchronous and asynchronous digital training in digital training rooms.
It allows trainers and training designers to create their digital training in a dedicated application.
For more flexibility, the INAP LMS is available at any time, via all digital devices (laptop, tablet,..).

Type of product: Service

OSP responsable : CGPO

CSI(s) concerned: CNI

Rationale:

This is the shared and reusable eLearning platform for state and municipal services and organisations.

It is open source software in order to reduce operating and development costs.

Links:

- Access to the platform for internal training purposes can be requested via lms@inap.etat.lu . Technical support is also available via the same address.
- https://elearning.intranet.etat.lu.
- https://elearning.services-publics.lu

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: IOP Check

Description:

The Competence Centre for Interoperability (CCIOP) of the Ministry of Digitalisation offers a service, on a voluntary basis, for ministries, administrations and possibly other public sector bodies that may file legal norms, to carry out a preliminary interoperability check.

The aim of this service is to propose to these entities that the CCIOP intervenes during the preparation of their draft law or other legislation in order to see whether it is compatible with the principles of the NIF. If necessary, the CCIOP can make recommendations along these lines. This is to guide the entities, raise their awareness and thus increase the level of interoperability in general.

Type of product: Service

OSP responsable : CCIOP

CSI(s) concerned: CNI

Rationale:

As it is a procedure which, at the level of legal interoperability, leads to a higher degree of interoperability in the legal norms of Luxembourg public sector bodies, the IOP Check has its place in the catalogue of IOP products. Furthermore, it is a response to recommendation 34, the recommendation that received the most votes in the 2021 survey of recommendations to be addressed as a priority.

Links:

Contact the CCIOP via cciop@digital.etat.lu

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: National Portal for public inquiries

Description:
The platform consists of three integrated modules:
(1) www.enquetes-publiques.lu, an Internet portal open to the general public where current public inquiries with their respective files and official notices are published.
(2) An assisted procedure on MyGuichet.lu allowing citizens to participate in ongoing public inquiries.
(3) A back office application reserved for authorities in charge of managing public inquiry procedures.
The platform allows for the publication of inquiries as well as the collection of contributions from citizens.
Currently, 24 of 62 identified procedures are deployed on the platform.

Type of product: Service

OSP responsable : Ministry for Digitalization / CTIE

CSI(s) concerned: CNI

Rationale:
With the go live of its website www.enquetes-publiques.lu, the platform was launched on 13th January 2021. It has several objectives:
- centralised posting and increased visibility of information about public inquiry procedures;
- facilitating citizen participation in projects subject to public inquiry; and
- demateralisation of these administrative procedures.

Links:
https://enquetes.public.lu/en/enquetes.html
https://digital.gouvernement.lu/en/dossiers/2021/pnep.html

IOP products of the "**Specification**" type

📦 INSPIRE

📦 European Single Procurement Document (ESPD)

📦 Statistical Data and Metadata eXchange (SDMX)

📦 Web Content Accessibility Guidelines (WCAG) 2.1

📦 European standard on electronic invoicing

📦 Syntaxes to be used for electronic invoicing

📦 ELI

Produits IOP de type « **Spécification** »

Akoma Ntoso

Norme CDA

Norme Schematron

FHIR standard

General improvement and accessibility referential (RGAA 4.1)

Referential for evaluation of mobile phone application accessibility (RAAM 1)

LE GOUVERNEMENT
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Ministère de la Digitalisation

Product: INSPIRE

Description:

The INSPIRE infrastructure is a common infrastructure for geospatial data. Initially resulting from a European directive transposed into national law by the *amended Law of 26 July 2010 transposing Directive 2007/2/EC*, it namely involves the establishment of a network of appropriate national infrastructures at Member State level. The directive specifies a total of 34 spatial data themes, divided into 3 annexes. For each dataset, detailed technical documents (data specifications) have been adopted which specify in detail the structure and model of the data to be provided. Other texts (implementing rules) specify the precise way of implementing the infrastructure. They are intended to ensure that the national nodes of the infrastructure are compatible and can be used without problems throughout the EU.

Type of product: Specification

Responsible OSP: Land Registry and Topography Admin.

CSI(s) concerned: All

Rationale:

The INSPIRE Infrastructure set up by the Land Registry and Topography Administration is a product to be proposed for the national IOP catalogue, as it is a reference product for geospatial data that must be used within the EU INSPIRE legal framework.
This product also helps to implement NIF principles such as openness, transparency, reusability or sharing in its field.

Links:

- https://eur-lex.europa.eu/legal-content/FR/TXT/PDF/?uri=CELEX:32007L0002&from=EN
- http://legilux.public.lu/eli/etat/leg/loi/2010/07/26/n4/jo
- https://www.geoportail.lu/en/questions/what-inspire/

Product: European Single Procurement Document (ESPD)

Description: The "European Single Procurement Document" (ESPD) is a self-declaration form by which businesses declare their financial status, capacity and suitability to participate in a public procurement procedure. Before the introduction of the ESPD, companies had to submit various documents proving their suitability to participate in a public procurement procedure (e.g. proving they had paid taxes and had not been convicted of a criminal activity). With the ESPD, companies can fulfil these obligations with a single standardised self-declaration form. Only the successful tenderer then has to provide the actual evidence and documents.

Type of product: Specification

Responsible OSP: Ministry of Mobility and Public Works (MMTP)

CSI(s) concerned: All

Rationale: The ESPD is a product to be proposed for the national IOP catalogue, as it standardises on the basis of a legal obligation for the national and EU levels for the public procurement sector a document to be provided systematically by economic operators.
It contributes to implementing NIF principles such as administrative simplification, effectiveness, efficiency, reuse and multilingualism in public procurement.

Links:
- https://marches.public.lu/fr/procedures/dossier-soumission/dume.html
- https://ec.europa.eu/growth/single-market/public-procurement/digital/espd_en

Product: Statistical Data and Metadata eXchange (SDMX)

Description: SDMX, which stands for Statistical Data and Metadata eXchange, is an international initiative which seeks to standardise and modernise the mechanisms and processes for exchanging statistical data and metadata between international organisations and their member countries. SDMX is used by Eurostat and the statistical offices of the EU Member States. This standard would also be highly relevant for the exchange of data between administrations/ministries and also to harmonise the publication of data on the Open Data portal.

Type of product: Specification

Responsible OSP: To be determined

CSI(s) concerned: All

Rationale:
- Adoption of SDMX in administrations for statistical data exchange
- Time saving in data consumption and aggregation.

Links:
- https://sdmx.org
- https://ec.europa.eu/eurostat/web/sdmx-web-services/sdmx

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DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product:

Web Content Accessibility Guidelines (WCAG) 2.1

Description:

The Web Content Accessibility Guidelines (WCAG) 2.1 of the W3C (www.w3.org) are the reference standards for the web accessibility of internet sites. Each public sector body must comply with these guidelines on its websites following the legal obligations introduced by the *Directive (EU) 2016/2102 of 26 October 2016 on the accessibility of the websites and mobile applications of public sector bodies*, transposed into national law by the *Law of 28 May 2019 on the accessibility of the websites and mobile applications of public sector bodies.*The directive makes it compulsory to comply with a European standard, and this standard itself refers to the WCAG as far as web accessibility is concerned. Compliance with the WCAG not only makes web content more accessible for people with disabilities, but overall makes it also easier to use for users in general.

Type of product:

Specification

Responsible OSP:

Information and Press Service (SIP)

CSI(s) concerned:

All

Rationale:

WCAG is the main standard for implementing the principle of inclusion and accessibility in respect of websites and mobile applications of public sector bodies.
These guidelines also help to put into practice principles such as openness, transparency, a user-centred approach and multilingualism.

Links:

- https://www.w3.org/WAI/standards-guidelines/wcag/
- http://legilux.public.lu/eli/etat/leg/loi/2019/05/28/a373/jo
- https://sip.gouvernement.lu/en/dossiers.gouvernement%2Ben%2Bdossiers%2B2020%2Baccessibilite-numerique.html

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Product: European standard on electronic invoicing

Description:

Directive 2014/55/EU of 16 April 2014 on electronic invoicing in public procurement, transposed into national law by the *Law of 16 May 2019 on electronic invoicing in public procurement and concession contracts*, requires all contracting authorities and entities to receive and process any electronic invoice which complies with the European e-invoicing standard defining the semantic data model of an electronic invoice.

The European standard in question is the CEN standard "**EN 16931-1:2017**".

Type of product: Specification

Responsible OSP: Ministry for Digitalisation

CSI(s) concerned: All

Rationale:
- To enable cross-border interoperability for the exchange of electronic invoices
- To reuse this European standard systematically also at national level and beyond public procurement in order to help create true interoperability in the field of electronic invoicing and thus put an end to the fragmentation which has been the rule for too long in this area.

Links:
- http://legilux.public.lu/eli/etat/leg/loi/2019/05/16/a345/jo
- https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eInvoicing

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: Syntaxes to be used for electronic invoicing

Description: *Directive 2014/55/EU of 16 April 2014 on electronic invoicing in public procurement*, transposed into national law by the *Law of 16 May 2019 on electronic invoicing in public procurement and concession contracts*, requires all contracting authorities and entities to receive and process any electronic invoice which complies with one of the 2 authorised syntaxes (a specific XML format that the electronic invoice must comply with).

Of the 2 permitted syntaxes, the one that is de facto almost exclusively used, however, in practice is:
UBL (Universal Business Language; standard ISO/IEC 19845:2015).

Type of product: Specification

Responsible OSP: Ministry for Digitalisation

CSI(s) concerned: All

Rationale:
- To enable cross-border interoperability for the exchange of electronic invoices
- To reuse UBL in particular, systematically also at national level and beyond public procurement, in order to help create true interoperability in the field of electronic invoicing and thus put an end to the fragmentation which has been the rule for too long in this area.

Links:
- http://legilux.public.lu/eli/etat/leg/loi/2019/05/16/a345/jo
- https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eInvoicing

Product: European Legislation Identifier - ELI and ELI-DL (ELI Draft Legislation)

Description:

ELI is a project which makes legislation accessible online in a standardised format based on semantic web techniques. This initiative, of which Luxembourg is the founding father, has been implemented by more than 16 countries.
ELI is based on 3 pillars:
1. A web identifier (URI) to identify legislation with a unique identifier which is recognisable, readable and understandable by users and information systems. The URI remains close to existing citation practices ;
2. A metadata set specifying how to describe the legislation with a unified, machine-readable set of metadata for all countries
3. A specific language for exchanging legislative data in formats usable by RDF machines, by inserting them into the web pages of the Official Journal.

Type of product: Specification

Responsible OSP: Central legislative service (SCL)

CSI(s) concerned: CNI

Rationale:

The ELI aims to make it easier to access, search, share and link national, European and global legal information.
Example of a URI :
https://www.legilux.public.lu/eli/etat/leg/loi/2021/12/09/a861/jo
{series} {type} {year} {month} {day} {id}

Links:

More information on national implementations, as well as technical information, is available at
https://www.legilux.public.lu/editorial/eli

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Digitalisation

Product: | Akoma Ntoso

Description:

The Akoma Ntoso Extensible Markup Language (XML) is a language for tagging, structuring and formatting documents of a legal, judicial and parliamentary nature.

SCL vast experience in implementing and limiting the AKN Schema.

Type of product: | Specification

Responsible OSP: | Central legislative service (SCL)

CSI(s) concerned: | CNI

Rationale:

Facilitates exchange, directly usable by computer.

Pivot format.

Links:

http://www.akomantoso.org
http://docs.oasis-open.org/legaldocml/akn-nc/v1.0/csprd01/akn-nc-v1.0-csprd01.html

Product: CDA standard

Description:

ISO/HL7 27932:2009 standard describing the XML structure of a file for sharing medical data: widely used, part of the interoperability framework of the national eHealth platform.

Type of product: Specification

Responsible OSP: eHealth Agency

CSI(s) concerned: CNI

Rationale:

Widely used, part of the interoperability framework of the national eHealth platform.

Links:

Product: Schematron standard

Description:

Allows validation of XML files in a more refined way than an XSD (ISO/IEC 19757-3:2020).

Type of product: Specification

Responsible OSP: eHealth Agency

CSI(s) concerned: CNI

Rationale:

Not necessarily well-known but a powerful tool which can be used in all areas. The eHealth Agency has some experience with this tool.

Links:

LE GOUVERNEMENT
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Ministère de la Digitalisation

Product: FHIR standard

Description:

Standard for the exchange of data in the medical domain in the broadest sense: actors, organizations, administrative, clinical data, questionnaires, terminologies, ...
It proposes both the data representation and a mechanism for the exchange based on REST.
It describes ways to extend it to specific needs and proposes validation mechanisms.

Type of product: Specification

OSP responsable : Agence eSanté

CSI(s) concerned: CNI

Rationale:

An open international standard, enabling modern uses, with a suitable ecosystem and a strong and growing demand.

Links: http://hl7.org/fhir

Product: General framework for improving accessibility (RGAA 4.1)

Description:

The general framework for improving accessibility (RGAA) is the framework to be applied to make public sector websites accessible to people with disabilities. It has been selected by the Information and Press Service (SIP) as an accessibility framework for all public sector bodies affected by the law of 28th May 2019.

The technical methodology of the RGAA enables the verification of sites in terms of compliance with the European reference standard EN 301 549, which establishes the level of legal requirement in terms of digital accessibility.

The RGAA technical methodology also provides an operational framework for verifying compliance with accessibility requirements.

As such, it includes 106 control criteria divided into 13 business themes, including an average of 2.5 tests per criterion.

The tests in this benchmark are designed to reduce the margin of interpretation regarding compliance with accessibility standards.

Type of product: Specification

OSP responsable : SIP

CSI(s) concerned: CNI

Rationale:

According to the law of 28th February 2019, all public sector websites have to be accessible. This accessibility is guaranteed by compliance with RGAA. This framework is compatible with the EN 301 549 v3.2.1 standard currently in force in Europe and with the international standard WCAG 2.1 (which is a subset of the standard). This repository is open source.

Links:

https://accessibilite.public.lu/fr/rgaa4.1/index.html
https://legilux.public.lu/eli/etat/leg/loi/2019/05/28/a373/jo
https://sip.gouvernement.lu/fr/dossiers.gouvernement%2Bfr%2Bdossiers%2B2020%2Baccessibilite-numerique.html

Product: Mobile Application Accessibility Assessment Framework (RAAM 1)

Description:

The Mobile Application Accessibility Assessment (RAAM) framework is the framework to be applied to make public sector mobile applications accessible to people with disabilities.

It was developed by the Information and Press Service (SIP) to serve as a basis for evaluation and implementation for all public sector bodies affected by the law of 28th May 2019.

This standard offers an operational framework for verifying compliance with accessibility requirements. Therefore, it makes it possible to verify that a mobile application complies with the criteria described in the European standard EN 301 549 for mobile applications. It includes 107 control criteria divided into 15 business themes. The criteria of this framework are designed to reduce the margin of interpretation regarding compliance with accessibility standards. framework is adapted to the legal context of Luxembourg. (e.g. mention of the exceptions provided for in the law).

Type of product: Specification

OSP responsable : SIP

CSI(s) concerned: CNI

Rationale:

According to the law of 28th May 2019, all mobile applications in the public sector must be accessible. This accessibility is guaranteed by compliance with the RAAM framework. This framework is compatible with the EN 301 549 v3.2.1 standard currently in force in Europe.

This framework is open source.

Links:

https://accessibilite.public.lu/fr/raam1/index.html
https://legilux.public.lu/eli/etat/leg/loi/2019/05/28/a373/jo
https://sip.gouvernement.lu/fr/dossiers.gouvernement%2Bfr%2Bdossiers%2B2020%2Baccessibilite-numerique.html

THE GOVERNMENT OF THE GRAND DUCHY OF LUXEMBOURG

CCIOP (Competence Centre for Interoperability)
Ministry for Digitalisation
4, rue de la Congrégation
L-1352 Luxembourg

cciop@digital.etat.lu
www.digitalisation.lu