



CAMSS - Solutions

ELAP

Overview Documentation

CHANGE CONTROL

Modification	Details
Version 1.1.0	

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INTRODUCTION



1. INTRODUCTION

This document contains the EIRA Library of Architecture Principles (ELAP) version 1.0.0. This library is implemented in the CarTool, in the same method used for the EIRA Library of Interoperability Specifications (ELIS). In addition, ELAP will also be accessible through the CAMSS collection in Joinup.

It contains the following elements.

- A description of the context in which the EIRA Library of Architecture Principles (ELAP) has been developed.
- A description of the ELAP and the different defined principles.
- The Microsoft Excel and the RDF versions of the ELAP.

The ELAP is a library intended to direct government organisations in initiating changes and implementing IT projects. The principles are described in relation to relevant policy frameworks, established standards, building blocks, and examples that are available – meaning that they are as recognisable as possible in practice.

In the following sections, the context in which the ELAP has been developed is explained.

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CONTEXT



2. CONTEXT

The ISA² programme of the European Commission supports the development of solutions that enable the cross-border delivery of interoperable public services in Europe. In order to ensuring the interoperability of said services, the EIA action works as an integrator between Member States and other departments of the European Commission for the development of a joint interoperability architecture for public services. The main output of this action is the European Interoperability Reference Architecture (EIRA©) which implements the European Interoperability Framework (EIF) in the Legal, Organisational, Semantic, and Technical (LOST) views of interoperability.

The EIRA library of architecture principles (ELAP) is intended to direct government organisations in initiating changes and implementing IT projects. Particularly when designing new or modified services, it is necessary to make visible how the principles are implemented and which considerations are made in this regard. The apply-or-explain principle applies here, whereby deviations are permitted, provided they are substantiated and recorded with good arguments wherey they can be revisited at a later stage. This prevents important matters from being overlooked.

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ELAP v1.0.0



3. ELAP V1.0.0

3.1. Introduction

The ELAP was created out of a carefully selected set of sources deemed necessary to help achieve the goals of ELAP, and more specifically the goals of the interoperability programs within public institutions in Europe. Architecture principles provide a highly abstracted view on the interoperability requirements, which are implemented by its interoperability specifications. Besides the EIF principles – that are considered architecture principles in ELAP – other sources are also considered and included. The principles are qualified based on their applicability (i.e. the usefulness of providing guidance when realising SBBs) and on their legal or regulatory basis by aiding architects involved in IT programs to ensure full compliance with the European regulatory framework.

3.2. Intended audience

The ELAP is intended to be used by architects (system architects, enterprise architects) involved in IT change programs to provide guidance for making correct design decisions. Furthermore, the ELAP will help identify the right sources and allow for proper contextualisation when arriving at decision making points in architecture and design.

Policy makers are served by ELAP to ensure that accepted or to be accepted solutions comply with the recommended frameworks. They are also served by endorsing decisions that further proliferate interoperability between organisations at all levels (Legal, Organisational, Semantical, and Technological) thus the effective and efficient use of resources.

Finally, ELAP may support technology companies in providing the right services to public institutions. The ELAP may be incorporated as requirements, in calls for tenders for instance.

3.3. How to use the document

The principles listed in ELAP are taken from various sources with references and rationale. They are categorised (column 'Category') based on the ITIL v3 high level processes. The references and descriptions may serve as a source for further elaboration or specification within the business domain. For instance, the 'Inclusion and Accessibility' principle may be further specialised into principles on web access technologies, security frameworks, microservices architectures, and information exchange protocols.

3.4. Excel version

Access de document here: <https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/elap/distribution/elap-catalogue-v100xlsx-0>

3.5. RDF version

Access de document here: <https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/elap/distribution/elap-catalogue-v100rdf-0>

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ACRONYMS



4. ACRONYMS

Acronym	Description
ABB	Architecture Building Block
EIF	European Interoperability Framework
EIRA	European Interoperability Reference Architecture
ELIS	EIRA Library of Interoperability Specifications
RDF	Resource Description Framework

An action supported by ISA²

ISA² is a EUR 131 million programme of the European Commission which develops digital solutions that enable interoperable cross-border and cross-sector public services, for the benefit of public administrations, businesses and citizens across the EU. ISA² supports a wide range of activities and solutions, among which is the Interoperability Maturity Assessment of a Public Service (IMAPS) action.

ISA² solutions can be used free of charge and are open source when related to IT.

More on the programme

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