Cartography Tool

v6.0.0



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Description automatically generated**Release notes**

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# Introduction

* 1. Purpose of this document

This document contains the description of the release version 6.0.0 of the Cartography Tool (CarTool).

* 1. Release date

This version of the CarTool has been released on the 12th of September 2023 in [Joinup](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/release/600).

* 1. Description

The Cartography Tool brings together high-level support for the EIRA as a plug-in for the popular ArchiMate® modelling tool Archi®. It includes both editing features, to model solutions using the EIRA, and querying features to query an EIRA-based Cartography of solutions.

Details on the individual components of this release are provided in Chapter 2, “Release components”.

* 1. List of acronyms used in this document

|  |  |
| --- | --- |
|  |  |
| ABB | Architectural Building Block |
| EC | European Commission |
| EIRA | European Interoperability Reference Architecture. |
| ELIS | European Library of Interoperability Specifications |
| PURI | Persistent Unique Identifier |

# Release Components

The CarTool v6.0.0 consists of the following release components.

* 1. [CarTool\_6.0.0.archiplugin format](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/distribution/cartool-v600-archi-plugin-jar-file)

The CarTool Archi® plug-in in jar format.

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| --- | --- |
| Modification | Details |
| Version 6.0.0 | |
| Support for two EIRA versions (6.0 and 5.0) | In order to keep the backward compatibility with the existing models/solutions the CarTool supports two versions of EIRA. |
| Support for last revision of eGovERAs | Business Agnostic 6.0, Customs 6.0, Health 6.0 and Tax 6.0. |
| Support for more than one instances of Archi | The CarTool can work with different instances of Archi+CarTool at the same time. |
| Standardisation of the installation | The CarTool can be installed like any other Archi plugins. |
| Support for different versions of Archi | From 4.9.0 to 5.1.0. |
| Update the ELAP | ELAP v2.0.0 |
| Update the ELIS | ELIS v5.0.1 |
| Version 5.0.0 | |
| Upgrade CarTool to the latest version of Archi​ | Align the CarTool plugin with the latest available version of the Archi software. New version of Archi supports Java 11.​  The latest version is Archi 4.9.2, released on 13 January 2022.​  This version of Archi supports ArchiMate 3.1.​ |
| Align the HL and DL SATs to the latest version of EIRA (v4.1.0)​ | The purpose of this task is to migrate the DL SATs (e.g., CEF ID, CEF eDelivery) to the latest version of the EIRA + EIC​ |
| Update the ELAP | * The purpose of this task is to update the ELAP with the new version (to be provided by CAMSS team)​ * Add button to recall the static list of the architectural principles (view Available Architecture Principle) and enable to select and add (stereotype) the one of interest as Archi Principle as ELAP:once only​ |
| Update the ELIS​ | Update the ELIS to the updated version shared by the CAMSS team​ |
| CarTool folder structuring | EIRA extension Library​   * EIRA Library of Interoperability Specifications ​ * EIRA Library of Architecture Principles (renamed, it was “European Library of Architecture Principles”)​ * European Interoperability Cartography (in this we will have all the architecture without the “solution” intermediate folder)​ * Solution Architecture Template (SATs)​ * eGovERA |
| Bug/issue fixing​ | Change the column header of the ELAP as agreed:​   * Principle​ * Definition of the principle​ * Domain​ * Category​ * Source​ * About Source​ |
| Version 4.1.0 | |
| EIRA v4.1.0 Support | Align the CarTool plugin with the latest available version of the EIRA (v4.0.0) |
| Restructure of the CarTool folders -Create the “My Solution Architecture Templates” folder | Creation of a new folder in the CarTool under the folder "EIRA Extension Library". The new folder has been called "European Library of Architecture Principles“. The folder includes the new ELAP library. |
| ELIS v1.1.0 Support | Align the CarTool plugin with the latest available version of the ELIS (v1.1.0) |
| eGovERA Model inclusion | Include inside the CarTool also eGovERA Business Agnostic, eGovERA Tax and eGovERA Health Reference Architectures |
| Version 4.0.0 | |
| CarTool release based upon Archi(r) v4.7.1 with support for EIRAv4.0.0 | Align the CarTool plugin with the latest available version of the Archi software. The latest version is Archi 4.7.0, released on 15 July 2020. This version of Archi supports ArchiMate 3.1. |
| EIRA v4.0.0 Support | Align the CarTool plugin with the latest available version of the EIRA (v4.0.0) |
| Restructure of the CarTool folders -Create the “My Solution Architecture Templates” folder | Creation of a new folder in the CarTool under the folder "My Library". The new folder has been called "My Solution Architecture Templates“. The folder has two sub-folders called “My Detailed-Level Solution Architecture Templates” and “My High-Level Solution Architecture Templates”. These folders enable the user to collect all his/her solution architecture templates. |
| Import of Solution National Architecture Templates (both HL and DL SATs) | Development of a functionality to import national High-Level and Detailed-Level Solution Architecture Templates. This functionality requires adding the possibility to import the proper Archimate file in “My Detailed-Level Solution Architecture Templates” or “My High-Level Solution Architecture Templates” folder depending on the type of SAT. Inserted the instructions to import and use National Interoperability Specifications and Reference Architecture  Updated the instructions to consult the ELIS (European Library of Interoperability Specifications) |
| Qualification of the imported RAs and DL/HL SATs | It has to be implemented in the CarTool the functionality to qualify the imported RAs and DL/HL SATs. Furthermore, it has to be defined a clear nomenclature. |
| Enable the functionality "Add to model" for the Interoperability Requirement ABB when creating a HL SAT | Development of a functionality enabling the user to instantiate the Interoperability Requirement ABB in a new HL SAT as a Solution Building Block (SBB). This features was present only when the user is modelling a new solution or DL SAT. This functionality has been enabled only for the Interoperability Requirement ABB present in the EIRA Ontology Viewpoint when the user is modelling a HL SAT. |
| Version 3.1.0 | |
| CarTool release based upon Archi(r) v4.6 with support for EIRAv3.1.0 |  |
| User guide update | Aligned with the EIRA v3.1.0.  Modified the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library and My Library” section, “Accessing interoperability specifications” section and the “Creating and updating solutions and SATs” sections.  Inserted the instructions to import and use National Interoperability Specifications and Reference Architecture  Updated the instructions to consult the ELIS (European Library of Interoperability Specifications) |
| CarTool Structure update |  |
| Include the ELIS (European Library of Interoperability Specifications) |  |
| Add advanced functionalities that support solution modelling with EIRA | Possibility to use imported reference architecture for stereotyping SBBs and creating new Solutions.  Possibility to use imported National Interoperability Specifications by adding them to an ABB or SBB. |
| Version 3.0.0. | |
| Cartool release based upon Archi(r) v4.3 with support for EIRAv3.0.0 |  |
| User guide update | Aligned with the EIRA v3.0.0.  Introduced the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library and My Library” section, “Accessing interoperability specifications” section and the “Creating and updating solutions and SATs” sections.  Added the instructions to consult the ELIS (European Library of Interoperability Specifications) and to consult the online documentation of the building blocks in joinup. |
| CarTool Structure update |  |
| Include the ELIS (European Library of Interoperability Specifications) |  |
| Add advanced functionalities that support solution modelling with EIRA | Possibility to use a reference architecture qualification when stereotyping SBBs.  Possibility to consult online documentation of the building blocks through PURIs. |
| Add H-L SAT Blockchain v1.1.0 |  |
| Version 2.2.0. | |
| Cartool release based upon Archi(r) v4.2 with support for EIRAv2.1.0 |  |
| User guide update | Modified installation instructions for European Commission users.  Added install instructions for European Interoperability Cartography (EIC) solution. |
| Version 2.1.0 | |
| Release the installation guide in both pdf and doc format |  |
| Include Interoperability Specifications library |  |
| TES download for FTP not allowed anymore: switch to SFTP |  |
| Add EIRA v2.1.0 support |  |
| Add Testbet SAT 1.0.0 |  |
| Add eProcurement SATs | SAT e-Procurement v1.0.0 beta  SAT e-Procurement accessing v1.0.0 beta  SAT e-Procurement awarding v1.0.0 beta  SAT e-Procurement contracting v1.0.0 beta  SAT e-Procurement discovering v1.0.0 beta  SAT e-Procurement evaluating v1.0.0 beta  SAT e-Procurement fulfilling 1.0.0 beta  SAT e-Procurement invoicing v1.0.0 beta  SAT e-Procurement notifying v1.0.0 beta  SAT e-Procurement ordering v1.0.0 beta  SAT e-Procurement quoting v1.0.0 beta  SAT e-Procurement submitting v1.0.0 beta |
| Update SATs eID, eDelivery, eHI | eID to v1.0.0.  eDelivery to v1.0.0.  eHI to v1.0.0. |
| Allow BULK export of all TES to MEF format | Use the result of the query builder as list for export |
| Add Catalogue of Services v1.0.0 |  |
| Version 2.0.1 | |
| Support for FTP and FTPS. |  |
| Version 2.0.0 | |
| EIRA v2.0.0 support |  |
| Archi 4 support |  |
| ArchiMate 3 support |  |

* 1. [CarTool v.1.0.0](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/distribution/cartool-logo-v100-7)

A Microsoft Windows icon file with the CarTool logo that can be used to create a CarTool themed shortcut for Archi®. Includes a README file with instructions on how to use.

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| Modification | Details |
| Version 1.0.0 | |
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* 1. [ISA Product License v1.4](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/distribution/isa-product-license-v14-1)

The license under which the EIRA is released.

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| Modification | Details | |
| Version 1.4.0 | | |
| New version of the ISA license | |  |
| Version 1.3.0 | | |
| Replacement of specific ISA Product licenses by a generic license |  | |
| Version 1.2.0 | | |
| Typo "hereafter" |  | |
| “or later versions” replaced by “which replaces  earlier versions” |  | |
| Version 1.1.0 | | |
| Typo "above" replaced by "below". |  | |
| Version or ArchiMate explicitly mentioned (i.e.  2.1). |  | |
| Reference to citizens of the EU included. |  | |
| Version 1.0.0 | | |
|  |  | |

* 1. [CarTool v6.0.0 user guide.pdf](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/distribution/cartool-600-userguide)

A PDF document describing how to install and use the CarTool.

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| Modification | Details |
| Version 6.0.0 | |
| Modified the installation section  Modified the supported Archi versions |  |
| Version v4.1.0 | |
| Modified the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library” section. |  |
| Version 4.0.0 | |
| Modified the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library and My Library” section, “Accessing interoperability specifications” section and the “Creating and updating solutions and SATs” sections.  Added the instructions to import HL SAT and DL SAT. |  |
| Version 3.1.0 | |
| Modified the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library and My Library” section, “Accessing interoperability specifications” section and the “Creating and updating solutions and SATs” sections.  Added the instructions to consult the ELIS (European Library of Interoperability Specifications) and to consult the online documentation of the building blocks in joinup. |  |
| Version 3.0.0 | |
| Introduced the description of the CarTool Structure.  Modified the overview of the features of the CarTool.  Modified the “Inspecting the EIRA, the EIRA Extension Library and My Library” section, “Accessing interoperability specifications” section and the “Creating and updating solutions and SATs” sections.  Added the instructions to consult the ELIS (European Library of Interoperability Specifications) and to consult the online documentation of the building blocks in joinup. |  |
| Version 2.2.0 | |
| Modified installation instructions for European Commission users.  Added install instructions for European Interoperability Cartography (EIC) solution. |  |
| Version 2.1.0 | |
| Updates for upgrading the CarTool for national and European Commission users. |  |
| Version 2.0.1 | |
| Updates for new Joinup structure. |  |
| Version 2.0.0 | |
| Archi 4 support |  |
| Updates for installing Archi and the Cartool for national and European Commission users. |  |
| Updates for Cartool 2.0.0 |  |

* 1. [CarTool v6.0.0 release .zip](https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool/distribution/cartool-v600-zip)

An archive containing each of the above mentioned files.

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| Modification | Details |
| Version 6.0.0 | |
| Files corresponding to 6.0.0. release |  |
| Version 5.0.0 | |
| Files corresponding to 5.0.0. release |  |
| Version 4.1.0 | |
| Files corresponding to 4.1.0. release |  |
| Version 4.0.0 | |
| Files corresponding to 4.0.0. release |  |
| Version 3.1.0 | |
| Files corresponding to 3.1.0. release |  |
| Version 3.0.0 | |
| Files corresponding to 3.0.0. release |  |
| Version 2.2.0 | |
| Files corresponding to 2.2.0. release |  |
| Version 2.1.0 | |
| Files corresponding to 2.1.0 release |  |
| Version 2.0.1 | |
| Files corresponding to 2.0.1 release |  |