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Abstract:

This Deliverable is the final version of the Transfer of Ownership and Operations of the e-SENS EIRA and its artifacts, the e-SENS Lifecycle Management including JIRA, e-SENS Stash Repository and Basecamp content. It states the actual approach to the transfer and should therefore be seen as the foundation for the work on the Transfer of Ownership and Operations.

History

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Glossary

See: http://wiki.ds.unipi.gr/display/ESENS/Glossary

Executive Summary

The e-SENS project - Electronic Simple European Networked Services aimed at strengthening the Single Market by facilitating public services across borders.

Some Building Blocks were handed over to e-SENS by previous Large Scale Pilots (LSPs), like STORK, PEPPOL, e-CODEX, SPOCS, epSOS, and these were consolidated and extended, industrialising the solutions and exploiting their potential for new domains of application.

The piloting experience proved that the provision of electronic cross-border services is achievable and feasible. The project developed and piloted technical building blocks that enable seamless cross-border services meeting all the requirements and solving the various challenges that were faced.

Only the EIRA and the generic BBs are in scope for this document, as WP 5 is in charge of the hand-over of the Domain-specific Building Blocks to DIGIT and to other projects (OpenPEPPOL, NOBLE, TOOP), while sustainability plans for maintenance of the e-SENS building blocks after the timespan of the project has been evaluated by WP 3 and they are described in Deliverable 3.8.

The WP6 Building Block Provision is aimed at tracing an overall architectural background through the EIRA and at providing the generic reusable components (the Architectural Building Blocks and the Solution Architectural Templates) for the implementation of digital services in Europe.

The goal of this document is to pave the way for the Transfer of Ownership and Operations of e-SENS EIRA, its artifacts and their Life Cycle Management to the target organization.

1 Introduction

1.1 Scope and Objective of Deliverable

The objective of this document is to present the transfer of operations and ownership of e-SENS EIRA and its artifacts for maintenance and Life-Cycle Management after the timespan of the project, namely:

- The plans and procedures for the transfer of ownership and operations of Building Blocks and other artifacts contained in the e-SENS Repository (at times it will be referred simply as EIRA in this document) to the target organization(s);
- To support WP1 in the centralized transfer of IPR to the target organizations, namely concerning the generic (domain-independent) software developed in the scope of WP6 activities or developed by pilots and that WP6 considers to be potentially re-usable across business domains.

The main target group for this document includes the CEF working group and the DGs of the EC that are active with setting up the CEF program.

While the original intention was to handover results to target organizations identified in D3.7, CEF designated itself as the target recipient for the transfer of operations and ownership of all WP6 results.

This document is also targeted at potential stakeholders, like those organizations and projects that are able and willing to adopt any of the e-SENS BBs. They will find some information needed for LCM and about the destination of the artifacts developed by WP6 after the project lifetime.

1.2 WP6 General Objectives and Vision

As stated in the e-SENS Technical Annex, the goal of WP 6 over the e-SENS lifespan was:

- To facilitate the project goals of creating consolidated and extended solutions for cross border and cross domain pilot applications, by taking on board existing solutions and components from the participating LSPs and other relevant sources to create coherent, generalized and open components and specifications for solution implementation.
- To provide the building blocks according to the functional requirements of WP5 and support their deployment in the WP5 pilots.
- To move forward with the development of sustainable European Interoperability Architecture for cross sector services, by means of the provision of a set of building blocks and their underlying technical specifications, which will act as its foundation, in alignment with the work carried out in WP3.

Therefore, the WP6 has been focused on providing architecture driven solutions and Building Blocks (BB) fulfilling pilot requirements in the target domains; in the first three years the Work Package worked in close incorporation with pilot domains with the aim of creating generic ICT Building Blocks that can be profiled and reused in use cases in multiple domains; in the last year, while still providing expert support to pilots and the CEF, the work package focused on:

- Revising EIRA into a more coherent view of artifacts produced,
- Incorporating feedback from the pilots,
- Providing EIRA Lifecycle Management services to project stakeholders e.g. the pilots and the CEF.

With these efforts, we believe to have gone a step further towards a generic, reusable and scalable platform to support the implementation of electronic services in Europe.

1.3   Structure of the document

Section 2 describes the overall scenario framing the transfer design: methodology, relation to both Internal e-SENS environment and external environment, quality and risk management, and legal issues.

Section 3 elaborates on the principles governing the transfer of EIRA operations (Life-Cycle Management), and the transfer of EIRA artifacts ownership, plus generic software and ancillary information.

Those principles pave the way to section 4, where the execution of the transfer is described: execution strategy, desired end-state and transfer process per item group. The transfer process subsections each point to the respective lists of items to be handed-over (Annexes I, II and III).

Section 5 summarizes the conclusions.

2 Overall Scenario

The WP6 Building Block Provision is aimed at tracing an overall architectural background through the EIRA and at providing the generic reusable components (the Architectural Building Blocks and the Solution Architectural Templates) for the implementation of digital services in Europe.

The identification of CEF as a possible target organization for the handover of WP6 generic BBs is grounded on the fact that the proposed CEF's DSI already included several e-SENS SATs.
The choice was supported by WP 3 and bilateral contacts were set up in order to check the willingness of CEF to accept the e-SENS RA and the BBs and to devise a handover process for the transfer of the WP 6 assets to CEF.
As already stated, here we trace only the handover process for the EIRA and the generic BBs to CEF, as the hand-over of the Domain-specific Building Blocks to DIGIT and to other projects (OpenPEPPOL, NOBLE, TOOP) is part of WP5 tasks.

Sustainability plans for maintenance of the e-SENS building blocks after the timespan of the project, which was a prerequisite for the handover, has been evaluated by WP 3 and they are described in Deliverable 3.8.

2.1 Methodology

The methodology adopted for the handover is outlined below, in the form of a procedure comprised of the following steps:

1. Transfer of EIRA operations:
    a. Technical migration of all items in EIRA Life-Cycle Management system used by WP6 to CEF's Life-Cycle Management system.
    b. e-SENS is to signal open issues in order that those could be followed up by CEF.
    c. Original LCM system frozen and available for 6 months after project completion.
    d. Ensure assistance to CEF operations for the technical migration.

2. Transfer of EIRA ownership:
    a. Technical migrations of all items in EIRA repository system to CEF repository system.
    b. Perform a dry-run of this migration as risk-mitigation measure.
    c. Iteration 4 of EIRA is to be delivered, as per D6.7.
    d. Original repository frozen and available for 6 months after project completion.
    e. Ensure assistance to CEF operations for the technical migration.

3. Transfer of software/IPR:
    a. The target of the transfer of software and IPR will be the European Commission, which funded the project. This task is in charge to WP1. The EC will in turn decide how to transfer IPR and assets to CEF.
    b. Identify software developed within WP6 scope.
    c. Identify software developed by pilots but potentially reusable across business domains

in the future.

d. Authors and contributors will discuss IPR transfer terms directly with WP1 and EC.
e. the artifacts (code, etc.) are located in several repositories, available for different time-spans.

2.2 Relations to Internal e-SENS Environment

The primary source for Transfer of Ownership and Operations will be the deliverables from WP3, especially:

- D3.3 Report on the integrated view of LSP strategies (M6)
- D3.4 Preliminary proposal for a governance body (M6) (updated M18, M21, M30, M34, M45)
- D3.5 Preliminary proposal for long-term sustainability within the CEF (M6, M18, M30)
- D3.6 Scenarios for governance models on short, medium and long-term (M9, M24 as "MS preferences on long term sustainability")
- D3.7 Sustainability plans for e-SENS building blocks (M34, update M45)

Moreover, the hand-over of the Domain-specific Building Blocks to DIGIT and to other projects (OpenPEPPOL, NOBLE, TOOP) is part of WP5 tasks. WP6 will cooperate with WP5 to secure that also key Domain Artifacts e.g. specifications, profiles and their LCM are transferred to relevant organizations.

2.3 Relations to External e-SENS Environment

This Deliverable is explicitly targeted at establishing and facilitating cooperation with external organizations that are able and willing to take the responsibility for LCM of the Building Blocks comprising the e-SENS EIRA.

During the last year of the project, e-SENS worked in cooperation with CEF in order to have the CEF itself as the target organization for the handover of some BBs as basic components for the DSI.

In addition, ISA[2] as well as standardization organizations like ETSI, CEN, and OASIS are currently in consideration for the Transfer of Ownership and Operations of e-SENS EIRA Building Blocks.

2.4 Quality Management

This deliverable has been developed in close cooperation with the QA team. The objective of the deliverable, as well as the structure (report and electronic EIRA repository) and the objectives of parts of the deliverable have been discussed and decided with the QA team.

The process used to ensure the quality of the deliverable is summarized in Table 1.

Category	Remarks	Checked by
Conformance to e-SENS template	OK	WP6M

Category	Remarks	Checked by
Language & Spelling	OK	WP6M
Delivered on time	OK	WP6M
Each technology description contains the correct elements	OK	WP6M
Consistency with description in the TA and in other e-SENS deliverables	OK	WP6M
Contents is fit for purpose	OK	WP6M
Contents is fit for use	OK	WP6M
Commitment within WP	Final remarks can be made in the 1st review cycle.	WP6M

Table 1 - Quality checklist

2.5 Risk Management

This section summarises how the risks for creating this deliverable have been managed: risk identification, risk analysis, risk assessment and risk mitigation (Table 2).

Description	Prob.	Imp.	Prio.	Mitigation	Owner
Deliverable contains too much information, making it difficult to apprehend and maintain	High	High	High	Deliverable is written by the principles of lessons learned and agile adoption taking into consideration the key findings of the final period of the project - fact based rather than assumptions	WP6 management
Delays will occur since handover processes is agreed upon very late in the project	High	High	High	Close collaboration with identified stakeholders Continuous writing of the deliverable throughout the final period of the project Frequent handover meetings with stakeholder	WP6 management

Description	Prob.	Imp.	Prio.	Mitigation	Owner
No actual handover in place and many orphan SATs and BBs	Low	High	High	From the identified list of stakeholders from D3.7 a series of bilateral meetings will be held to identify the actual need for the SAT and BB. If an orphan and generic SAT or BB is identified it will be kept in the overall handover to CEF	WP6

Table 2- Risk Management

2.6 Legal Issues

Some issues around Open Source licensing and IPRs are still pending and need to be clarified. In essence, a Building Block will only be transferred as Open Source/Open Licence and with information about possible IPRs.

Furthermore, the solutions transferred are Generic, meaning that they support the realisation of capabilities but in order to be used in the context of a specific community for a specific purpose, they may require the implementation of organizational measures and that community agreements (Business Interoperability Specifications) are set up. These agreements must take into account the legal and regulatory background, complementing the technical artifacts that are provided by e-SENS with organizational policies and with a governance structure.

This is the case of evidence management in the non-repudiation BB, which must be complemented by a set of organizational policies tailored to the service level to be achieved.

A Building Block about Trust Establishment has been included in the Architecture, describing trust models and tools to support Trust in a community environment: it can be used as a canvas to cast the other BBs in a suitable environment.

There was a decision that WP1 should centralize the IPR transfer matters, as legal representative of e-SENS before the European Commission.

3 Principles of transfer of operations and ownership

3.1 Transfer of operations

This section addresses the transfer of Life-Cycle Management services of Building Blocks and the support services for the Minder/Kerkovi Testbed.

Life-Cycle Management services were provided by WP6 through a ticketing system based on the JIRA platform:

- EIRA Services Management: http://jira.ds.unipi.gr/browse/EIRA (*EIRA Services Management* Project)
- Conformance testing services: http://jira.ds.unipi.gr/projects/CONFTEST/ (*Conformance and Testing Services* project)

The JIRA platform was chosen due to:
- availability: reuse existing platform available for the project at no cost
- flexibility: ease of workflow customization to fit user's needs, out-of-the box integration with EIRA content repository.
- commonality: CEF ticketing system also being based on JIRA would provide a smooth ticket transfer on project handover.
- ease of use to the users within e-SENS as well as external stakeholders

This document is concerned only with the handover of the EIRA Services Management.

The Minder/Kerkovi testbed will expectedly be available to CEF after e-SENS closure; the exact terms of service are to be included in the Memorandum of Understanding (MoU) being drawn up between WP1 (e-SENS legal representative) and the European Commission.[1]

Further information about the Minder Testbed can be obtained in section 4.3.2 of e-SENS Deliverable D6.7 (https://www.jol.nrw.de/bscw/bscw.cgi/8216507).

The Life Cycle Management services offered by WP6 to EIRA users (pilots, CEF) are based on ISO/IEC 20000:2011[2] and were as follows:

- Change Management
- Release Management
- Support Management

These services are described in detail in section 4.2.2 of D6.7.

For the Life-Cycle Management of EIRA, the transfer of the operation is based on the principle that

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[1] Handover and alignment meeting between EC and e-SENS on 28th February 2017
[2] ISO/IEC 20000:2011 is the first international standard for IT service management

CEF takes over all tickets (*issues* in JIRA), in order to evaluate their inclusion in CEF's own JIRA platform. This operation will take place on the final day of the project, in close collaboration between CEF and WP6 participants.

3.2 Transfer of ownership - EIRA

This section addresses the transferring of EIRA generic artifacts.

The artifacts are maintained in a wiki repository based in a Confluence team collaboration platform, located at http://wiki.ds.unipi.gr/display/ESENS. CEF's own repository is based in Confluence platform as well, which would allow a smoother transfer of content.

The active release of the artifacts, considered to be frozen upon project completion, is in version 3.0.0 according to the repository versioning control.

The artifacts as a whole make up the following major sets in the repository:
- the Reference architecture,
- the Specifications library,
- the Reference Library, and
- the Governance log.

The architectural assets in the repository can also be classified as follows:
- Solution Architecture Templates (SAT)
- Architecture Building Blocks (ABB)
- Specification Profiles (PR)
- Solution Building Blocks (SBB)

Details on the e-SENS architecture repository and the asset description can be found in sections 5.3 and 5.4 of D6.7, respectively.

The principle governing the transfer of ownership of e-SENS EIRA is: **CEF takes over the entire wiki repository content** and transfers it to own Confluence platform at its discretion. After the transfer CEF will take notice and ownership of any additional transfer within the European Commission.

3.3 Transfer of ownership - generic software

A number of software artifacts (plus potentially ancillary artifacts like specs, manuals etc.) has been developed during the e-SENS lifetime, which are considered to be of generic (or potentially domain-independent) use.
Potentially domain-independent means that a given software artifact was developed in the scope of a specific business domain/pilot, but is also adaptable to other business domains without imposing an extensive set of additional requirements.

Software is normally subject to Intellectual Property Rights (IPR) e.g. featuring a given license. As per the agreed between e-SENS and the European Commission, the legal transfer of project deliverables subject to IPR is to be centralized in WP1 as an e-SENS legal representative before the European

Commission. The exact terms of that transfer are to be included in a Memorandum of Understanding being drafted between WP1, EC stakeholders, and authoring/contributing project partners.

The principle governing the transfer of software is: **software artifacts** (plus respective ancillary artifacts like specifications, manuals etc.) **and associated IPR are dealt with centrally by WP1** towards the European Commission, by means of a specific Memorandum of Understanding, involving contributing/authoring project partners.

3.4 Transfer of ancillary information

This section addresses the transfer of the content in WP6 Basecamp project.

The Basecamp project was used as both an internal working and management tool. This platform allows discussions and interim content to be centralized and iterated over by the WP6 team.
At the same time, it allowed WP6 Management to define tasks (*to-dos* in Basecamp parlance) and allocate them to participants, as a means to provide transparency and control over time reporting ('reporting against tasks' principle).

The project can be found at: https://basecamp.com/2222566/projects/13031615.
CEF has shown interest in having access to the aforementioned contents.

The principle governing the transfer of ownership of WP6 Basecamp project is: **CEF takes over the content from the Basecamp project**.

4 Execution of transfer

4.1 Strategy:

The transfer process of EIRA operations (JIRA), EIRA content (Confluence repository) and ancillary information (Basecamp project) has been finally agreed with CEF in a meeting held in Brussels on 28th February 2017 at DG DIGIT, Rue Montoyer.

The general transfer strategy is:
- to perform a manual technical migration (copy) of content from WP6 JIRA platform to CEF JIRA platform;
- to perform a full technical migration (copy) of content from WP6 Confluence platform to CEF Confluence platform;
- to perform a full manual replication of content from Basecamp and host the archives on CEF Digital platform;
- to provide a list of software deliverables to WP1 in order for the aforementioned items to be included in the handover procedure/agreement with the European Commission.

Both WP6 JIRA and WP6 Confluence platforms are owned by a WP5 partner, University of Piraeus (UPRC). This partner has agreed to assist the CEF operations in the aforementioned technical migrations.

4.2 Desired end-state

At the end of the transfer process, it is envisaged that CEF has full access to:
- The Reference Architecture (EIRA) provided by WP6, in a proper content management platform, including past versions. This content will then be centrally managed along with existing CEF Building blocks.
- The Life Cycle Management history of EIRA, which documents the change processes to EIRA Building Blocks and general support activities performed by WP6 experts.
- The interim discussions and documents internal to WP6, which provide additional context and lessons learned in iterating over EIRA.

At the end of the transfer process, it is expected that WP1 possesses a list of generic software items, which allows a centralized IPR transfer process to the European Commission. The ultimate purpose is that proper licensing and usage agreements are set in place between e-SENS project representative, involved partners and the European Commission, so that the Commission can have access to the software.

4.3 Transfer process

4.3.1 EIRA Operations (JIRA project)

Step	Description	Status/Remarks
1	Mark all JIRA tickets/issues with label: "As of March 30 2017, due to the e-SENS project completion support tickets will no longer be accepted by WP6. All Jira issues have been transferred to the European Commission's Connecting Europe Facility (CEF Digital) program. More about CEF Digital can be found here."	Done
2	Set *EIRA Services Management* project in JIRAhttp://jira.ds.unipi.gr/projects/EIRA/summary platform as read-only.	Done
3	After e-SENS completion, perform full technical migration of open tickets/issues to CEF's own JIRA platform, with the assistance of The University of Piraeus (UPRC)	Dates and detailed procedure to be agreed between CEF Operations and UPRC

Table 3-Transfer process for EIRA Operations

The list of items to transfer can be found in Annex I.

4.3.2 EIRA Repository (Confluence project)

Step	Description	Status/Rmks
1	Insert the following statement in the repository homepage: "As of March 30 2017, due to Sens project completion this repository will no longer be maintained. The contents herein have been transferred to European Commission's *Connecting Europe Facility* (CEF Digital) program. You can read more about CEF Digital here. "	Done
2	Set *e-SENS Building Blocks* project in the repository http://jira.ds.unipi.gr/projects/EIRA/summary platform as read-only	Done
3	Execute dry run of technical migration to CEF Confluence platform (UPRC + CEF Operations)	Done

4	After e-SENS completion, perform full technical migration of repository content/assets to CEF own Confluence platform, with the assistance of UPRC	Dates and detailed procedure to be agreed between CEF Operations and UPRC

Table 4-Transfer process for EIRA Repository

The list of items to transfer can be found in Annex II.

4.3.3 Generic software (several repositories)

Step	Description	Status/Rmks
1	Identify software developed within WP6 scope, plus authors and contributors.	Done
2	Identify software developed by pilots but potentially reusable across business domains in the future, plus authors and contributors.	Done
3	Identify the software repositories.	Done
4	Notify authors/contributors WP1 by email, cc WP1, using the following template: *"Your respective organization has been identified as the author(s) of /contributor(s) to the software artifact(s) listed below, developed in the scope of e-SENS project.* *Those artifacts have been deemed fit for generic use, or potential domain-independent use, and could conceivably be transferred to European Commission/CEF on project closure:* *<identification of artifact>* *The artifacts will be included in a list of Software items to transfer, which will be delivered to WP1 until 31st Mar 2017 EOB.* *WP1 is centralizing IPR transfer-related matters, acting as e-SENS legal representative towards the European Commission. Please expect further contact from WP1 in order to discuss the exact terms of IPR-related matters."*	Done The process will be carried over by WP1 henceforth

Table 5-Transfer process for Generic Software

The list of items to transfer can be found in Annex III.

4.3.4 Ancillary info (Basecamp project)

Step	Description	Status/Rmks
1	Insert the following statement in the project homepage: " **Closure of eSENS and Basecamp projects** As of March 30 2017, due to eSENS project completion this Basecamp project will no longer be maintained. The contents herein have been transferred to European Commission's Connecting Europe Facility (CEF Digital) program. You can read more about CEF Digital here."	Done
2	Set user rights as read-only and. Archive the project in a zip file, placing it in a repository accessible to CEF.	Done
3	After e-SENS completion, the content will then be migrated to CEF Digital platform, and former e-SENS users will be invited to join the platform.	Dates and detailed procedure to be agreed between CEF Operations and WP6 lead (DTI).

Table 6-Transfer process for Ancillary Information

A full export of the Basecamp project can be found here (zip file).

5 Conclusions

This document described the plan to transfer operations and ownership of e-SENS EIRA and its artifacts for maintenance and Life-Cycle Management after the timespan of the project. It documents both preparatory steps already taken and remaining tasks to be fulfilled by the designated recipient.

Together with EIRA-related items outlined above, the document takes into account the transfer plan of both generic software and ancillary information, in a cohesive whole.

Support is provided for WP1 for the centralized transfer of software IPR by documenting the preparatory steps taken to involve appropriate e-SENS author/contributing partners of said software. An authoritative list of WP6 items to transfer is also provided.

Annex I – List of Items to Transfer - LCM tickets

Source: http://jira.ds.unipi.gr/projects/EIRA/

Note: This list contains tickets ('issues') in the JIRA platform above.

Legend:

1. "ID" - each item is assigned a unique ID.
2. "Type" - "Support Requests" and "Change Request", corresponding to Support Management and Change Management services respectively.
3. "Status":
   - "Released to production" - The change request has been analyzed, subject to discussion in WP6 and resulting changes have been made to one or more EIRA artifacts in the architecture repository.
   - "Rejected" - The change request has been rejected after being analyzed or subject to discussion in WP6, no resulting changes have been made to EIRA artifacts in the architecture repository.
   - "Under analysis" - The change request has been deemed out of scope of e-SENS after being subject to discussion, and was handed over to an external organization (OASIS or ETSI, contact points provided). No definitive answer was received until project closure.
4. "Description" - abbreviated description of the ticket, with embedded hyperlink to the source.

ID	Type	Status	Description
WP6 - 1.1	Change Request	Released to production	EIRA-12 Remove the requirement that the Producer must be able to set the MessageId.
WP6 - 1.2	Change Request	Released to production	EIRA-13 Clarify the e-SENS AS4 profile by stating that decompression is mandatory (and not putting requirements on the compression)
WP6 - 1.3	Change Request	Released to production	EIRA-14 Clarify the use of SBDH in the e-SENS AS4 profile
WP6 - 1.4	Change Request	Released to production	EIRA-15 Clarify the non-repudiation info in the e-SENS AS4 profile
WP6 - 1.5	Change Request	Rejected	EIRA-16 Modularisation of the e-SENS AS4 profile
WP6 - 1.6	Change Request	Released to production	EIRA-17 Describe usage of SML/SMP integration in Access Points
WP6 - 1.7	Change Request	Released to production	EIRA-18 Clear definition of the 4 corners
WP6 - 1.8	Change Request	Under analysis	EIRA-19 HTTPS in BDX records (*)
WP6 - 1.9	Change Request	Under analysis	EIRA-20 Validation of the Migration key (**)

ID	Type	Status	Description
WP6 - 1.10	Change Request	Released to production	EIRA-22 Update Access Point SBB list
WP6 - 1.11	Change Request	Released to production	EIRA-23 Statement about message size limit in AS4 protocol
WP6 - 1.12	Change Request	Rejected	EIRA-24 Include requirements in Backend Integration ABB (et al) for eIDAS compliance
WP6 - 1.13	Change Request	Released to production	EIRA-25 PR-AS4 Broken link from version EIRA 2.1.0
WP6 - 1.14	Change Request	Rejected	EIRA-26 Addressing of End Entities - compound Participant ID's
WP6 - 1.15	Change Request	Released to production	EIRA-27 Mapping Participant Endpoint in BIS documents to SBDH Receiver
WP6 - 1.16	Change Request	Released to production	EIRA-28 Include additional SMP solutions/implementation in SBB-SMP
WP6 - 1.17	Change Request	Released to production	EIRA-29 AS4 Conformant Solutions - Maintenance and synchronization
WP6 - 1.18	Change Request	Released to production	EIRA-30 PR-BDXL depends on ABB Addressing of Entities
WP6 - 1.19	Change Request	Released to production	EIRA-32 The e-SENS ebCore Party ID profile conflicts with the e-SENS BDXL profile

Table 7-List of items to transfer - LCM tickets

* Out of scope of e-Sens, handed over to OASIS. Contact point: Sander Fieten (sander@chasquis-consulting.com)

** Out of scope of e-Sens, handed over to ETSI. Contact point: Sander Fieten (sander@chasquis-consulting.com)

Annex II – List of Items to Transfer – EIRA Assets

Source: http://wiki.ds.unipi.gr/display/ESENS/

Note: This list contains assets in the Confluence platform above (version 3.0.0 of the repository change control, corresponding to EIRA v4 as per D6.7).

Legend:
1. "ID" - each item is assigned a unique ID.
2. "Type" - type of asset/building block/specification.
3. "Parent ID" - refers to parent assent, denoting the SAT -> ABB -> ABB Spec -> SBB relationship.
4. "Description" - asset names with embedded hyperlink to the source, visually grouped by SAT.

ID	Type	Parent ID	Description
WP6 - 2.1	Homepage	-	E-SENS Building blocks
WP6 - 2.2	SAT	WP6 - 2.1	SAT - eDelivery
WP6 - 2.3	Interoperability Specification/guideline	WP6 - 2.2	IOP - Dynamic Discovery AS4/SMP/BDXL
WP6 - 2.4	ABB	WP6 - 2.2	ABB - Message Exchange
WP6 - 2.5	ABB	WP6 - 2.2	ABB - Capability Lookup
WP6 - 2.6	ABB	WP6 - 2.2	ABB - Service Location
WP6 - 2.7	ABB	WP6 - 2.2	ABB - Backend Integration
WP6 - 2.8	ABB Specification	WP6 - 2.4	PR - AS4
WP6 - 2.9	ABB Specification	WP6 - 2.5	PR - SMP
WP6 - 2.10	ABB Specification	WP6 - 2.6	PR - BDXL
WP6 - 2.11	ABB Specification	WP6 - 2.6	PR - ebCore Party ID
WP6 - 2.12	ABB Specification	WP6 - 2.7	SP - Connector
WP6 - 2.13	ABB Specification	WP6 - 2.7	PR - REST SMP
WP6 - 2.14	SBB	WP6 - 2.4	SBB - Access Point
WP6 - 2.15	SBB	WP6 - 2.5	SBB - SMP
WP6 - 2.16	SBB	WP6 - 2.6	SBB - SML
WP6 - 2.17	SAT	WP6 - 2.1	SAT - eID
WP6 - 2.18	ABB	WP6 - 2.17	ABB - Authentication Exchange
WP6 - 2.19	ABB	WP6 - 2.17	ABB - Attribute Provision
WP6 - 2.20	ABB	WP6 - 2.17	ABB - Local Attribute Provision

ID	Type	Parent ID	Description
WP6 - 2.21	ABB Specification	WP6 - 2.18	PR-STORK 2.0 SAML
WP6 - 2.22	SAT	WP6 - 2.1	SAT - eSignature
WP6 - 2.23	ABB	WP6 - 2.22	ABB - eSignature Creation
WP6 - 2.24	ABB	WP6 - 2.22	ABB - eSignature Validation
WP6 - 2.25	ABB	WP6 - 2.22	ABB - Federated Signing
WP6 - 2.30	SAT	WP6 - 2.1	SAT - eDocument
WP6 - 2.31	ABB	WP6 - 2.30	ABB - Document Provisioning
WP6 - 2.32	ABB	WP6 - 2.30	ABB - Document Packaging
WP6 - 2.33	ABB	WP6 - 2.30	ABB - Document Routing
WP6 - 2.34	ABB	WP6 - 2.30	ABB - Document Annotation
WP6 - 2.35	ABB	WP6 - 2.30	ABB - Business Rules Integration
WP6 - 2.36	ABB Specification	WP6 - 2.32	PR - eSENS Container
WP6 - 2.37	ABB Specification	WP6 - 2.33	PR - SBDH
WP6 - 2.38	SAT	WP6 - 2.1	SAT - Non-Repudiation
WP6 - 2.39	ABB	WP6 - 2.38	ABB - Non-Repudiation
WP6 - 2.40	ABB Specification	WP6 - 2.39	PR - REM
WP6 - 2.41	ABB Specification	WP6 - 2.39	PR - Evidence Storage
WP6 - 2.42	ABB Specification	WP6 - 2.39	PR - XACML
WP6 - 2.43	ABB Specification	WP6 - 2.39	PR - PerHopProtocol
WP6 - 2.44	ABB Specification	WP6 - 2.39	PR - ATNA
WP6 - 2.45	SBB	WP6 - 2.39	SBB - Evidence Emitter
WP6 - 2.46	SAT	WP6 - 2.1	SAT - Semantics
WP6 - 2.47	ABB	WP6 - 2.46	ABB - Semantic Mapping Service
WP6 - 2.48	ABB	WP6 - 2.46	ABB - Base Registry Identification and Access
WP6 - 2.49	ABB	WP6 - 2.46	ABB - Core Vocabulary-Based Data Modelling
WP6 - 2.50	ABB	WP6 - 2.46	ABB - Domain Specific Vocabulary Definition
WP6 - 2.51	SAT	WP6 - 2.1	SAT - Trust Establishment
WP6 - 2.52	ABB	WP6 - 2.51	ABB - Trust Network – Mutual Recognized Certificates

ID	Type	Parent ID	Description
WP6 - 2.53	ABB	WP6 - 2.51	ABB - Trust Network – PKI
WP6 - 2.54	ABB	WP6 - 2.51	ABB - Trust Network – Trust Service Status List
WP6 - 2.55	ABB Specification	WP6 - 2.54	PR - TSL4ERDS

Table 8-List of items to transfer - EIRA assets

Annex III – List of Items to Transfer – Generic Software Artifacts

Note: This list contains (references to) software artifacts located in several repositories.

Legend:
1. "ID" - each item is assigned a unique ID.
2. "Description" - self-explanatory.
3. "Author(s)/Contributor(s)" - Identification of corresponding e-SENS partner (deemed to claim IPR over the software).
4. Business Scope: "Generic" or "Potentially domain-independent". *Potentially domain-independent* means that the software artifact was developed in the scope of a specific business domain/pilot, being however considered reusable in other business domains without requiring extensive adaptation.
5. Link to repository - self-explanatory.

ID	Description	Author(s)/ Contributor(s)	Business Scope	Link to repository
WP6 - 3.1	Minder Testbed	TÜBITAK, TR	Generic	https://github.com/mindertestbed/minder (*)
WP6 - 3.2	Federated signing solution	ESV, SE	Generic	TBC
WP6 - 3.3	Evidence Emitter	UPRC, GR Ministry of Health, AT	Potentially domain-independent **	http://stash.ds.unipi.gr/projects/EVEM
WP6 - 3.4	STORK2.0-eIDAS plugin	Advania, IS	Generic	https://advaniasky-my.sharepoint.com/personal/gretar_gretarsson_advania_is/_layouts/15/guestaccess.aspx?folderid=0a2c702584e4641f987d4564a853d4cd8&authkey=AReszByD__a-HUU3yGqVVyg&expiration=2017-04-29T17%3a29%3a06.000Z
WP6 - 3.5	SMP Dynamic Discovery Connector for Holodeck product	UPRC, GR Chasquis Consulting, NL	Generic	http://stash.ds.unipi.gr/projects/HOLODYN
WP6 - 3.6	UPRC REST API Connector	UPRC, GR	Generic	http://stash.ds.unipi.gr/projects/URAC

Table 9-List of items to transfer - Generic software artifacts

* The handover process of Minder testbed has been in discussion between WP1, TÜBITAK and CEF/DG DIGIT since September 2016. The discussion included details on platform usage, deployment model, IPR matters, etc.