



## D13.1.2 Report on Dissemination, normalization and list of technical outcomes

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<b>Lead Participant</b>	EEMA	<b>Lead Author</b>	Jon Shamah
<b>Contributors</b>	All	<b>Reviewers</b>	Roger Dean (EEMA), Heiko Roßnagel (FHG)

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## Executive Summary

This is the second of a quarterly internal newsletter with the aim to enable a consortium wide coordination and agreements on dissemination, reporting on the dissemination activities, key goals and identified potentials, as well as a review of standardization outcome and inputs made by FutureID partners for a selection of topics.

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### Document Information

#### 1.1 Contributors

Name	Partner
Jon Shamah	EEMA
Fiona Hawkins	EEMA
*	All other Partners

#### 1.2 History

Version	Date	Author	Changes
100	28/05/2013	Jon Shamah (EEMA)	Final Version of Newsletter

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### 1.3 Table of Figures

N/A

### 1.4 Table of Tables

N/A

### 1.5 Table of Acronyms

N/A

### 1.6 Referenced Documents

N/A

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### Project Description

The *FutureID* project builds a comprehensive, flexible, privacy-aware and ubiquitously usable identity management infrastructure for Europe, which integrates existing eID technology and trust infrastructures, emerging federated identity management services and modern credential technologies to provide a user-centric system for the trustworthy and accountable management of identity claims.

The *FutureID* infrastructure will provide great benefits to all stakeholders involved in the eID value chain. Users will benefit from the availability of a ubiquitously usable open source eID client that is capable of running on arbitrary desktop PCs, tablets and modern smart phones. *FutureID* will allow application and service providers to easily integrate their existing services with the *FutureID* infrastructure, providing them with the benefits from the strong security offered by eIDs without requiring them to make substantial investments.

This will enable service providers to offer this technology to users as an alternative to username/password based systems, providing them with a choice for a more trustworthy, usable and innovative technology. For existing and emerging trust service providers and card issuers *FutureID* will provide an integrative framework, which eases using their authentication and signature related products across Europe and beyond.

To demonstrate the applicability of the developed technologies and the feasibility of the overall approach *FutureID* will develop two pilot applications and is open for additional application services who want to use the innovative *FutureID* technology

*Future ID* is a three-year duration project funded by the European Commission Seventh Framework Programme (FP7/2007-2013) under grant agreement no. 318424

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## Internal Newsletter #2 – May 2013

**Internal  
Newsletter 2  
May 2013**



Shaping the  
Future of Electronic Identity

  
  

### LATEST NEWS

**13/02/2013 - CEN TC224 WG15 PRESENTATION**

Bud Bruegger (Fraunhofer Institut, Germany) was invited to present the FutureID project to CEN TC224 WG15.

Besides a general overview of the project, specific potential contributions to standards were identified (slides by Detlef Hühnlein (ecsec GmbH, Germany)). In particular, these are potentially suited for amendment 2 of ISO 24727 parts 3 and 4. Other areas with a potential for standardization were also presented (slides by Bud Bruegger). WG15 received the presentation with interest and will propose how to best establish a liaison to FutureID.

**12-13/02/2013 - EUROPEAN WORKSHOP ON TRUST AND IDENTITY**

The 'European Workshop on Trust and Identity' (renamed from 'Electronic Identity Workshop') is one of the new breed of 'un-conferences' which provide the attendees the opportunity to discuss issues, that they consider important, with their peers.

It was hosted at the Vienna Technical University. The two-day meeting was well attended with over 30 participants and was supported by the [TERENA Educational Network](#) which held a meeting on following days.

Further details can be found at:

<https://identityworkshop.eu/tiki-index.php?page=EIW2013%20Notes>

  
  

### GENERAL MEETING - MADRID

**MINUTES**

Minutes from the General Meeting in Madrid can be found at:

<https://dms-prext.fraunhofer.de/livelink/livelink.exe/overview/2975926>

Remember that you will need your Livelink login details.

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### PRESENTATIONS

All the presentations from the General Meeting in Madrid can be found at:

[Day 1](#)

[Day 2](#)

[Day 3](#)

Remember that you will need your Livelink login details.

## WP, DELIVERABLES AND TASK NEWS

### WP 1&2: PROJECT AND FINANCIAL MANAGEMENT

The coordinator, Fraunhofer IAO, has received the pre-financing from the Commission and has distributed it to the partners. The next General Meeting will take place in Graz from 15<sup>th</sup> to 17<sup>th</sup> of October.

### WP 11: ADVISORY BOARD COMMUNICATION

FutureID has invited and accepted nominees into the Advisory Board. There was a voting process and the list of advisory members can be found in Deliverable 11.1. A first telephone conference was already held at the end of March, where they were all given an introduction to FutureID and were invited to the next General Assembly meeting.

### WP 21: VISION, APPROACH AND INVENTORY

FutureID has delivered a deliverable on the Vision of FutureID, which contained details on the Value Proposition, a brief insight of the Reference Architecture, and various possible deployment scenarios illustrating the flexibility of FutureID. In addition, FutureID expects to provide a consistent and coherent terminology for identity management. For this a wiki based approach has been chosen, which enables us to automatically create consistent glossaries for all deliverables. In regard to the business and use case analysis potential use cases have been identified and been rated. Based on this rating the most promising use cases have been selected for further analysis.

### D 21.1 - TERMINOLOGY

Contact: Bud P. BRUEGGER

The deliverable D21.1 is completed. It reports about the process of how FutureID will foster the use of a common language and understanding.

The FutureID terminology currently consists of 128 terms that have initially been adopted from existing terminologies and have been slightly edited in a first round of review. Further refinement and the addition of terms is expected for the future. Several web-based tools have been developed (see demonstration at the Madrid meeting). Among them is a tool to create custom glossaries for deliverables. It is planned to put these tools online as soon as possible.

*Custom glossaries for your deliverables are available from Bud.*

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Another tool creates a LaTeX (and thus PDF) version of wiki-based deliverables. D21.1 is the first deliverable that has been created this way. Some additional features will be implemented shortly (e.g. cross-referencing of figures and tables) and this tool will also be provided online.

### TASK 21.4 - REFERENCE ARCHITECTURE

We expect to write a manual for authors that illustrates how to use these tools and interact with the wiki-based terminology.

The goal of the task 21.4 is development of a reference architecture that embraces components specified for creating the FutureID infrastructure. Apart from the description of roles and characteristic of components, the D21.4 deliverable presents the way and workflow of components communication. Scenarios identified in the task 21.5 has been analysed and for the most representatives the UML sequence diagrams have been creating. The work is in progress and the final version of the D21.4 will be available by the end of October 2013.

### WP22 - REQUIREMENTS ANALYSIS

Contact: Marit Hansen, Unabhaengiges Landeszentrum fuer Datenschutz, Germany

#### REQUIREMENTS SYNC MEETING IN KIEL, 16-18 JULY, 2013

On invitation of ULD WP22 will have a requirements synchronization meeting 16 July, 9am - 18 July, 1pm in Kiel, Germany. We plan to synchronize the requirements set forth in the different deliverables within WP22 and align them with the expectations and plans within the SP04 work packages. This will probably update the existing WP22 documents and may also result in updates of existing WP4x deliverables. Partners in WP22 are highly encouraged to send a delegate for the meeting. Other partners are welcome to join us in Kiel, particularly the WPs depending on WP22 results.

### TASK 22.3 - PRIVACY REQUIREMENTS ANALYSIS (M1-M10)

The three partners involved in Task 22.3 work on a common document where working versions are being regularly uploaded in the LiveLink repository. The links to Task 22.6 (Legal Requirements Analysis) are well discussed with partner KU Leuven.

The next conference call will be on Wednesday, 29 May, 2013, 11-12.

Deliverable D22.3 is on schedule.

### TASK 22.6 - LEGAL REQUIREMENTS

Contact: Jessica Schroers, KU Leuven, Belgium

The objective of this task is to provide an overview on the different legal requirements for FutureID, which are for example regulated by the Data protection -, e-Commerce - and e-Signature Directive. Work on this task is early going yet, with a first outline currently under preparation.

### D22.7 - LEGAL REQUIREMENT ANALYSIS

Contact: Trenton Schulz, Norsk Regnesentral Stifelse, Norway

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Work proceeds on the accessibility requirements for D22.7. A lot of background information has been gathered about different classes of disabilities, definitions, and standards. This information is now being summarized in the deliverable. ULD is looking at legislation for accessibility and e-inclusion. They are also looking at technical solutions to improve privacy in this area (e.g., services gathering information about a person's disabilities). NR and ULD will be synchronizing at the end of May to plan further steps in the deliverable.

**WP 23- DESIGN GUIDELINES**

Contact: Sebastian Kurowski, Fraunhofer Institut, Germany

The Work package 23 finished on May 1st and delivered Guidelines for the Software Development, Documentation, and Usability of the FutureID infrastructure. All guidelines were based on a broad theoretical basis, as well as observations and experiences, and thus provide a good framework for software development, documentation, and usability in the FutureID consortium. Work package 23 is therefore complete.

**WP 3.1 - INTERFACE DEVICE SERVICE**

Contact: Dr. Frank-Michael Kamm, Giesecke & Devrient GmbH, Germany

**TASK 31.1 REQUIREMENTS ANALYSIS**

The task was successfully finished and the deliverable was submitted on time at 1st of March. In summary, the requirements report demands a generalized interface for smart cards, secure elements and card terminals connected via PC/SC, SICCT, NFC, and Open Mobile API. The architecture of the IFD must be based on ISO/IEC 27427-4 and must provide an interface to implement protocols through a trusted channel.

**TASK 31.2 INTERFACE SPECIFICATION**

The task was successfully finished and the deliverable was submitted on time at 1<sup>st</sup> of May. In summary, the specification defined a sophisticated architecture to support arbitrary smart cards, secure elements and card terminals as well as a proxy mode to support multiple interfaces simultaneously. The specification adapted the ISO/IEC 27427-4 API and added functions for secure channel establishing protocols.

**TASK 31.3 IMPLEMENTATION**

We are currently looking at existing implementations and try to figure out which components are missing, can be adapted, and must be implemented.

**TASK 31.4 INTEGRATION / TESTING**

We are currently looking at the results of Task 37.2 (Definition of test strategy) and developing test cases for the Interface Device Service. The test cases will address the different interfaces like PC/SC, NFC, and Open Mobile API, the proxy mode of the IFD Service, and the implementation of secure channel establishing protocols.

**TASK 32.3 INTERFACE AND MODULE SPECIFICATION**

We are currently finishing the first draft of the document including outline, introduction, and assignments. The document will provide a detailed description of the architecture and the extension mechanism for protocols

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and plugins. We also cover event management, credential management, identity and attribute selection, and security policy issues.

**WP33 – eSIGNING SERVICES**

Contact: Peter Lipp, Technical University of Graz, Austria

WP33 is currently processing input requirements as available from other WPs and is working on the first draft of the first deliverable of the WP, the requirements document. Details have been discussed in a telco and the split of the work agreed.

**WP 3.5 – TRUSTWORTHY CLIENT PLATFORM**

**TASK 35.1 REQUIREMENTS ANALYSIS**

The task was completed successfully and the deliverable submitted in time. Five different trust levels depending on the type of authentication have been defined and respective requirements for the client platform have been derived. Various types of secure elements, TPM and Trusted Execution Environments (TEE) have been considered.

**TASK 42.1 - REQUIREMENTS ANALYSIS OF UNIVERSAL AUTHENTICATION SERVICE**

For D42.1, the reviews for the first version have arrived by 14 May, 2013. The review comments are currently integrated into the final version.

Deliverable D42.1 is at most one month behind schedule. It will be finished by end of May, 2013 the latest. Possibly an update of D42.1 will be drafted after the ReqSync Meeting in July in Kiel, depending on the discussion results.

**TASK 42.3 - DESIGN OF FORMAL AUTHENTICATION PROTOCOL SPECIFICATION (APS) LANGUAGE**

Contact: Omar Almousa, Danmarks Tekniske Universitet, Denmark

So far we presented a suggestion for our partners and accordingly we all are discussing what extensions and adaptations are required for the APS language to achieve its designated goals as stated in the DoW. We all participated in several telephone conferences to shape a common understanding and agreement upon our task. We also considered Extended Access Control (EAC) protocol as a first case-study driving our discussions and deriving our requirements. Our progress is satisfactory and we anticipate reporting our task deliverable in time.

**TASK 43.1 - ANALYSIS OF TRUST ASPECTS**

Contact: Jessica Schroers, KU Leuven, Belgium

The objective of this task is to analyze the main aspects of trust within FutureID. The work started with a bit of a delay due to the change of staff at KU Leuven, but now it is going full speed and all the partners are working hard to finish it by the end of May.

**WP4.3 -TRUST SERVICES**

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Contact: Christof Rath, Technical University of Graz, Austria

In WP4.3 (Trust Services), we are currently working on the first deliverable (Trust Aspects Report - Lead: KUL), which was initially due end of April. In parallel, we have an ongoing discussion regarding the internal structure and scope of the Trust Service Module. The current range of options starts at a mere (pimped) central trustservice status list, and ends at a full-fledged user centric trust and validation service (possibly based on a web of trust and configureable validation profiles).

### WP44 – APPLICATION INTEGRATION SERVICES

Contact : Charles Bastos Rodriguez, ATOS Spain SA, Spain

This WP is focused on two parallel tasks, Task 44.1 Analysis of Enterprise Application Infrastructures and Task 44.2 Requirement Analysis.

#### TASK 44.1 ANALYSIS OF ENTERPRISE APPLICATION INFRASTRUCTURES

This task goal is to deliver a study of commercial and non-commercial EAI solutions and to describe how they could be integrated with Future-ID Federated Identity Management features, the deliverable "D44.1 - Description of enterprise application infrastructures and their requirements for integration" is at its final production stage and is expected to be delivered this month (May 2013).

#### TASK 44.2 REQUIREMENT ANALYSIS

This task goal is to elicit relevant requirements for integration of applications into the FutureID Infrastructure. It is expected to deliver a refinement of the general requirements identified in WP2.2 - Requirements Analysis and to include technical requirements as well as usability, legal and socio-economic requirements.

The deliverable D44.2 - Requirements Report is under production and it is expected to be delivered on June-2013.

## UPCOMING INDUSTRY EVENTS

BIOMETRICS Conference	Istanbul	29/05/2013	<a href="#">information</a>
ECP Seminar	Delft	04/06/2013	<a href="#">information</a>
Electronic Signature and Public Key Infrastructure	Miedzyszdroje	05/06/2013	<a href="#">information</a>
ECIS2013	Utrecht	06/06/2013	
Digital Enterprise Europe	Amsterdam	11/06/2013	<a href="#">information</a>
ECEG 2013	Como	13/06/2013	<a href="#">information</a>
IFIP Summer School on Privacy and Identity Management	Nijmegen	17/06/2013	<a href="#">information</a>
Cloud Identity Summit	Napa Valley	08/07/2013	<a href="#">information</a>
SSEDIC SIIC conference	Rome	4/07/2013	<a href="#">information</a>

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