

**INFORMATION SOCIETIES TECHNOLOGY
(IST)
PROGRAMME**



D.1.3.3: EuPKI 3rd Technical Management Report
Period July 1st, 2003– March 31, 2004

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1 Technical board Overview

1.1 Abstract

The purpose of the deliverable D1.3.2 "Technical management Report 3" is to make the point upon all the actions and the decisions which were elaborated by the consortium, during the third period of the activity, from July 2003 to March 2004 (It was the last period of the project).

Moreover it gives a view of the quality management which has to be taken place, during the development phase and the integration phase, for the acceptance of PKI modules.

This document will progress and be updated all along the project, in order to reflect as much as possible the technical progress of the project.

1.2 Technical Board Overview

1.2.1 Technical Board function

This board is lead by the Technical Manager (D.BONNEROT) and includes a representative from each technical partner. The Technical Board is in charge of the technical development of the project. Problems detected by the Technical Board are be reported to the Steering Board, which has the full responsibility of decision making.

All Work Package Managers, who are responsible for co-ordination of tasks and activities towards the WP objectives, report to the Technical Board about deviations from scheduling, suitability or expected results, designation and co-ordination of tasks leaders.

In order to be very efficient during the Technical Board, the Manager has asked all the members to transmit the technical subjects that they want to discuss one week before. Some time (it was the case for the last technical board), a technical meeting is organized in order to discuss, in detail, some technical points and prepare, if it is possible, the recommendations for the technical board.

1.2.2 Technical work

Due to the fact that it was the last period of the project, the Technical Board was very careful of :

- The schedule of the software delivery,
- The good relationship between the WP leaders because the integration and testing time was very short,
- The quality and the contents of the deliveries for the WP5, WP6, WP7 and WP8

Each work package has produced its all deliveries which were approved by the Technical Board :

- The WP5 "Implementation", led by AXETEL, has produced the EUPKI software and modified it in order to take into account the WP6 remarks,
- The WP6 "Integration", led by ON'X, has integrated all the part of the software and produced documents to explain how to install the global version and which configurations has been tested,
- The WP7 "Demonstration", led by CertiNomis, has done EUPKI plat-forms (two in France and one in Italy) and produced the demonstration report in order to demonstrate the EUPKI functionalities,
- The WP8 "Guidelines for Security and homologation", led by AQL, has updated its documents concerning Security requirements and has done a audit of a part of the software delivered by WP5.

1.3 List of Technical decision

During this last period, there is no major decisions from the Technical Board because there was a very good cooperation between the WP leader (in particular between ON'X and Certinomis) in order to optimise the works.

2 Technical Actions and Reports

2.1 GIP-MDS

2.1.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.1.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.2 AQL

2.2.1 Technical work accomplished this period

WP/ Task	Actions
WP6	Integration
T6-1	Technical Integration Coordination /Architectural Framework Implementation <ul style="list-style-type: none"> - Coordination of the integration WP activities

T6-2	Preparatory activities : - Initial report (progress report one) - Elaboration of a set of documents (integration guidelines and procedure) - Analysis and initial specifications of the technical tools required - Integration of module coming from WP5
T6-3	Technical Integration Coordination /Architectural Framework Implementation - Coordination of the integration WP activities
T6-4	Integration of the components within the architectural framework and between themselves - Integration of all parts of the software
T6-5	Testing of the solution with newly integrated components - Test of the global software - Writing installation procedure
T6-6	Quality assurance and security validation - Cooperation with the appropriate WP to use their results and incorporate them into the product.
T6-7	Support for demonstration - explanation of the functionalities
WP8	Guidelines for Security & Homologation
T8-3	Help the consortium taking into account the security requirements in all of the deliverables (documentation and software)
T8-4	Perform an audit code on the source code version of 15/12/2003

2.2.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP6/T6-1	D6.1 Integration process report one	Final
WP6/T6-4	D6.2 Integration report for the preliminary version PV along with the delivery to the partners of the version itself	Final
WP6/T6-5	D6.3 Integration report for the final version along with the delivery of the final version of the software and documentation	Final
WP8/T8-3	D8.3 Integration processes analysis	Final
WP8/T8-4	D8.4 Audit code report	Final

2.3 AXETEL

2.3.1 Technical work accomplished this period

WP/ Task	Actions
WP5	Implementation
T5-1	Development of the components <ul style="list-style-type: none"> - All components of the first phase - Detailed conception of these modules
T5-2	Support on developed components <ul style="list-style-type: none"> - Corrections of bugs - Explanation of source code implementation
WP6	Integration
T6-1	Technical Integration Coordination /Architectural Framework Implementation <ul style="list-style-type: none"> - Coordination of the integration WP activities
T6-2	Preparatory activities : <ul style="list-style-type: none"> - Initial report (progress report one) - Elaboration of a set of documents (integration guidelines and procedure) - Analysis and initial specifications of the technical tools required - Integration of module coming from WP5
T6-3	Technical Integration Coordination /Architectural Framework Implementation <ul style="list-style-type: none"> - Coordination of the integration WP activities
T6-4	Integration of the components within the architectural framework and between themselves <ul style="list-style-type: none"> - Integration of all parts of the software
T6-5	Testing of the solution with newly integrated components <ul style="list-style-type: none"> - Test of the global software - Writing installation procedure
T6-6	Quality assurance and security validation <ul style="list-style-type: none"> - Cooperation with the appropriate WP to use their results and incorporate them into the product.
T6-7	Support for demonstration <ul style="list-style-type: none"> - explanation of the functionalities

2.3.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP5/T5-1	D5.1 Beta version	Final
WP5/T5-1	D5.3 Tests of developed components	Final

WP5/T5-2	D5.2 Final version	Final
WP6/T6-1	D6.1 Integration process report one	Final
WP6/T6-4	D6.2 Integration report for the preliminary version PV along with the delivery to the partners of the version itself	Final
WP6/T6-5	D6.3 Integration report for the final version along with the delivery of the final version of the software and documentation	Final

2.4 **CERTINOMIS**

2.4.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.4.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.5 **EDF**

2.5.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.5.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.6 INTESA

2.6.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.6.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final

WP7/T7-3	D.7.2 Qualification Report	Final
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2.7 **CGE&Y**

2.7.1 Technical work accomplished this period

WP/ Task	Actions
WP3	Requirements
T3-2	Finalization of PKI legal aspect (requirement of the Steering board)

2.7.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP3/T3-2	D.3.6 Definition of the perimeter of the project	Final

2.8 **FT R&D**

2.8.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.8.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.9 FINSIEL

2.9.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.9.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.10 INPS

2.10.1 Technical work accomplished this period

WP/ Task	Actions
WP7	Demonstration & Evaluation
T7-1	Prototype plat-form setup <ul style="list-style-type: none"> - Define the demonstration actions - Describe the tests
T7-2	EUPKI Demonstration <ul style="list-style-type: none"> - Do the demonstration on EUPKI platform
T7-3	Qualification Report <ul style="list-style-type: none"> - Write the results of the tests

2.10.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP7/T7-1	D.7.1 Prototype Platform set-up	Final
WP7/T7-3	D.7.2 Qualification Report	Final

2.11 Giesecke & Devrient

2.11.1 Technical work accomplished this period

WP/ Task	Actions
WP5	Implementation
T5-1	Development of the components <ul style="list-style-type: none"> - All components of the first phase - Detailed conception of these modules
T5-2	Support on developed components <ul style="list-style-type: none"> - Corrections of bugs - Explanation of source code implementation
WP6	Integration
T6-1	Technical Integration Coordination /Architectural Framework Implementation <ul style="list-style-type: none"> - Coordination of the integration WP activities
T6-2	Preparatory activities : <ul style="list-style-type: none"> - Initial report (progress report one) - Elaboration of a set of documents (integration guidelines and procedure) - Analysis and initial specifications of the technical tools required - Integration of module coming from WP5
T6-3	Technical Integration Coordination /Architectural Framework Implementation <ul style="list-style-type: none"> - Coordination of the integration WP activities
T6-4	Integration of the components within the architectural framework and between themselves <ul style="list-style-type: none"> - Integration of all parts of the software
T6-5	Testing of the solution with newly integrated components <ul style="list-style-type: none"> - Test of the global software - Writing installation procedure
T6-6	Quality assurance and security validation <ul style="list-style-type: none"> - Cooperation with the appropriate WP to use their results and incorporate them into the product.
T6-7	Support for demonstration <ul style="list-style-type: none"> - explanation of the functionalities

2.11.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP5/T5-1	D5.1 Beta version	Final
WP5/T5-1	D5.3 Tests of developed components	Final
WP5/T5-2	D5.2 Final version	Final
WP6/T6-1	D6.1 Integration process report one	Final
WP6/T6-4	D6.2 Integration report for the preliminary version PV along with the delivery to the partners of the version itself	Final
WP6/T6-5	D6.3 Integration report for the final version along with the delivery of the final version of the software and documentation	Final

2.12 ON-X

2.12.1 Technical work accomplished this period

WP/ Task	Actions
WP6	Integration
T6-1	Technical Integration Coordination /Architectural Framework Implementation - Coordination of the integration WP activities
T6-2	Preparatory activities : - Initial report (progress report one) - Elaboration of a set of documents (integration guidelines and procedure) - Analysis and initial specifications of the technical tools required - Integration of module coming from WP5
T6-3	Technical Integration Coordination /Architectural Framework Implementation - Coordination of the integration WP activities
T6-4	Integration of the components within the architectural framework and between themselves - Integration of all parts of the software
T6-5	Testing of the solution with newly integrated components - Test of the global software - Writing installation procedure
T6-6	Quality assurance and security validation - Cooperation with the appropriate WP to use their results and incorporate them into the product.

T6-7	Support for demonstration - explanation of the functionalities
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2.12.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP6/T6-1	D6.1 Integration process report one	Final
WP6/T6-4	D6.2 Integration report for the preliminary version PV along with the delivery to the partners of the version itself	Final
WP6/T6-5	D6.3 Integration report for the final version along with the delivery of the final version of the software and documentation	Final

2.13 EADS-TELECOM

2.13.1 Technical work accomplished this period

WP/ Task	Actions
WP6	Integration
T6-1	Technical Integration Coordination /Architectural Framework Implementation - Coordination of the integration WP activities
T6-2	Preparatory activities : - Initial report (progress report one) - Elaboration of a set of documents (integration guidelines and procedure) - Analysis and initial specifications of the technical tools required - Integration of module coming from WP5
T6-3	Technical Integration Coordination /Architectural Framework Implementation - Coordination of the integration WP activities
T6-4	Integration of the components within the architectural framework and between themselves - Integration of all parts of the software
T6-5	Testing of the solution with newly integrated components - Test of the global software - Writing installation procedure
T6-6	Quality assurance and security validation - Cooperation with the appropriate WP to use their results and incorporate them into the product.

T6-7	Support for demonstration - explanation of the functionalities
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2.13.2 Deliverables due this period

WP/ Task	Deliverable	Status (Final, Draft, Pending)
WP6/T6-1	D6.1 Integration process report one	Final
WP6/T6-4	D6.2 Integration report for the preliminary version PV along with the delivery to the partners of the version itself	Final
WP6/T6-5	D6.3 Integration report for the final version along with the delivery of the final version of the software and documentation	Final

3 Conclusions

This third period of the EuPKI project was very difficult because it was very difficult to be on line with the schedule :

- The first complete version of the software was delivered only on December,
- The first integration version was ready at the beginning of March (So, the WP7 has to do theirs tests in a very short time)

The main issues was :

- The delivery of the software module and the quality of them,
- The schedule of the software : the activity of integration can't really begin before the delivery of a complete version of the software

Fortunately, the actors of that project are particularly involved and motivated and they can do the integration and the plat-form work in a very short time. One very important tool for the project continuation was for sure the efficiency of the collaborative work, so that, hand-in-hand, each member can bring his expertise to finally deliver all the documents and the software version.