



**DEVELOPMENT OF THE INNOVATIVE DATABASE MODEL
FOR ADDING INNOVATION CAPACITY OF LABOUR FORCE AND ENTREPRENEURS
OF THE METAL ENGINEERING, MACHINERY AND APPARATUS SECTOR**

UPDATED REQUIREMENTS for the INNOMET Prototype System

Date: February 14, 2007

Prepared by:

INNOMET II

based on the result of INNOMET I

Author(s):

Larsson, Mattias

Szántai, Mihály

Keerman, Markus

Deliverable No.: 5.2

Document No.: INNOMETII. 5.2

Status: Final

INNOMET II – Integrated human resource development and monitoring system for adding innovation capacity of labour force and entrepreneurs of the metal engineering, machinery and apparatus sector – a project funded by the Commission of the European Communities under the Leonardo da Vinci II programme (project no. 2005-EE/05/B/F/PP-169001)

Partners:

- *TCEB, Tallinn City Enterprise Board, Estonia*
- *EML, Federation of Estonian Engineering Industry, Estonia*
- *TUT Tallinn University of Technology, Estonia*
- *BME, Budapest University of Technology and Economics, Hungary*
- *IAL Piemonte, Training Institute for Workers of Piemonte, Italy*
- *KTH, Stockholm Royal Institute of Technology, Sweden*
- *LMA, Association of Mechanical Engineering and Metalworking Industries of Latvia*
- *Alfamicro Lda, Consulting in Technology Transfer and Information Technology, Portugal*

New functional requirements figured out during test-use and preliminary test

Priority legend:

1. Must be
2. Necessary
3. Recommended

Requirement no.	Description	Priority	Status	Commentary	Amount of work (in man days)	Decision
R 92	Tour (detailed presentation of advantages and supplies of the system). The IPS should work as its marketing tool in itself.	3	InActive	All users	Big	In the future
R 93	Registration IPS should provide a method for a public type (individual) user to become registered (as organisation – advanced user – in order to utilise IPS functionality).	2	InActive	All users	1d design 3d realisation	INNOMET II ?
R 94	It should be possible to enter personnel information .	2	InActive	It is necessary to Firm, Edu and Cert as well! Suggested only for (non public) registered users.	Part of req#R93	INNOMET II ?
R 95	Organisation profile management should be separated from the user account management and as a certain functionality for all user – e.g. part of registration process	3	InActive	Recently involved into organisation management Organisation	2d Design 5d Realisation	INNOMET II ?

R 96	User profile management should be separated from the user account management and should work as a certain functionality for all user – e.g. part of registration process	3	InActive	Recently involved into user account management Registered user	2d Design 5d Realisation	INNOMET II ?
R 97	Security management; it is without question required to let the company user claim whether which data – entered by them – are public or partially/fully forbidden in term of time or user types	2	InActive	Questionnaire, workforce needs table Necessary 'fore involving companies directly	Big	In the future
R 98	Authority related to the Questionnaires and other data Here the registered users have to indicate that user type can work on a restricted database. E.g.: Restricted: secret data, nobody; they are entered in order to use IPS functionality on those base. Confidential: confidential data. Predefined, registered user(type)s can have access to them by inquiry or report Public: public data: Any user can have access to them.	2	InActive	Company user	10d Design 10d Realisation	INNOMET II ?
R 99	Search registered users (for any registered user)	3	InActive	Presupposes registration of the users Req#R93	1d Design 1d Realisation	In the future

R 100	<p>Search certificate exams: No concerning Requirements in D2.1. New requirement item(s) is(are) necessary! The possibility for getting needed links to details from the exam description is required in the next</p>	1	InActive	All user	1d Design 2d Realisation	DONE in INNOMET I
R 101	<p>Search profession (and or skill) type; it would make it rather easier to avoid redundancy in the defined professions or/and skills list</p>	1	InActive	Registered users Subpart of Req#R103		INNOMET II ?
R 102	<p>Course management: It should be possible to define what type of course it is. This is important in order to sell the idea amongst companies that are search for courses specially designed for company employees. Link between course(s) and profession(s)</p>	1	InActive	Educational user	3d Design 4d Realisation	INNOMET II ?

R 103	<p>Profession management isn't needed unless access to "profession related information" can be accessed for other users than administrators. We suggest that a filtering function is added that guides the user during questionnaire creation. I.e. the default skills should be visible to the user.</p> <p>In the IPS role is equal to work assignment. Role and work assignment (labour force category) should be separated in order to ensure usefulness (also in the demo version to ensure acceptance amongst the companies).</p>	1	InActive	Administrator	3d Design 5d Realisation	INNOMET II ?
R 104	<p>Skill management functionality is required (as the skills are the keywords in the IPS) It is allowed recently to define skill as new one with the same name as existing (multiplication). Later none of them can be deleted while there is at least one questionnaire referring to the skill name (the redundancy cannot be cancelled)!</p>	1	InActive	Administrator	3d Design 5d Realisation	INNOMET II ?
R 105	<p>Skills need a description field: Link or Description field is necessary!</p>	1	InActive	Also connected with Req#R104	05d Realization	DONE in INNOMET I

R 106	Profession and Skill should be defined by any registered users	0	InActive	Registered user Can not be allowed!	0.5d	We'll write an explanation (we can create functionality to write needs)???
R 107	Workforce predictions are not mentioned in the req. spec., although it is interesting (R46, 47 are only associated)	1	InActive	Company user		Task to Swedish colleagues???
R 108	Report on Educational opportunities	1	InActive	All (also public) user	3d Design 3d Realisation	INNOMET II ? Yes, we'll do simplified solution in INNOMET I
R 109	Report on Company does not exist. No information about company requirement toward educational institutions. Educational users should have access to general company information and information concerning educational need (summary of questionnaire reports without reference to e specific company).	1	InActive	Educational or any allowed (by the company) user	1d Design 1d Realisation	INNOMET I
R 110	0 (zero) level	1			1p	INNOMET I
R 111	Printing of the Questionnaires	1			2p	INNOMET I
R 112	Buttons "Back" ja "Main menu"	1			0.5p	INNOMET I

R 113	Functionality for Public User : <ul style="list-style-type: none"> • List of Courses; • List of Study Programs; • List of Exams; • Prognosis of Labour Force needs hiding Companies detailed information 	1			2d Design 5d Realisation	INNOMET I
R 114	Personalized system	1			10d Design 25d Realisation	INNOMET II ?
R 115	Personalized skills report	1		Presupposes Req#R114	2d Design 4 d Realisation	INNOMET II ?
R 116	Strategically important queries	1		Presupposes “Skills management”, Req#R104	4d Design 3d Realisation	INNOMET II ?
R 117	Multilingual Database ¹	2			4d Design 3d Realisation	INNOMET II ?
R 118	Company training plan management : <ul style="list-style-type: none"> • Automatically generated list of courses basing on inquiries; • “Handmade” list of courses by personnel specialist • Plan management 	1			Big	INNOMET II?
R 119	Improvement of the Labour Work Needs report interface	1			1d Design 1d Realisation	INNOMET I

¹ In current version database contains text in only one language, software can be easily compiled in different languages. Next version has to be fully multilingual.

Updated Requirements

R 120	Creating of the Knowledge-Base : <ul style="list-style-type: none"> • creating a Glossary • Hints • ... 	2				INNOMET II ?
R 121	Document explaining ideology of the business: <ul style="list-style-type: none"> • Why • What • How – methodology of measuring the personnel 					INNOMET II ?