



# REPORT

## Workpackage no. 2

Date: 28-Jun-06

**Title: Selection of The Appropriate Instruments  
To Create The Educational Modules**

**Duration: Month 1 - Month 3**

**Partners Involved:**

P1	Politehnica University of Bucharest, Romania	<input type="checkbox"/>
P2	SILABO, Italy	<input type="checkbox"/>
P3	Sistemi e Servizi, Italy	<input type="checkbox"/>
P4	CLC-KUT, Lithuania	<input type="checkbox"/>
P5	MECB, Malta	C
P6	XGrant, The Netherlands	<input type="checkbox"/>

**Coordinator: P5**

**Report Prepared by MECB Ltd, Malta**





# IMPLEMENTATION OF AN INNOVATIVE MODEL AND SELF SUSTAINABLE SYSTEM OF ECDL CAD TRAINING/TESTING CENTER (CECA)

## WP Objectives

The *main* objectives of this CECA WP2 are essentially :

- To optimally define and select the instruments/methods (eg e-Learning vs face-to-face vs combination) to prepare and deliver the ECDL CAD **training** material;
- To identify and select suitable ECDL CAD candidate **testing** procedures.

## Introduction

In order to effectively achieve the above main objectives of this WP, as agreed in the Bucharest (March 2006) kick-off meeting, a relevant questionnaire was drafted by the leading partner P5 (Malta) and the circulated for feedback to all CECA partners.

## Work report

*(including working techniques used, results and methodology)*

The draft questionnaire was circulated for feedback by the partners following which the final version (see Fig.[1] below) was approved by the coordinator and re-distributed amongst all partners for sample surveys with relevant CAD stakeholders in their region.

**CECA LEONARDO PROJECT**

**ECDL C.A.D. TRAINING APPROACH SURVEY**

*Introduction to this project:* There is no doubt that increasing the level of innovation in Europe is an important goal for the EU commission... *ECDL CAD:* The European Computer Driving Licence (ECDL) has seen an impressive success in various ICT application areas... *Why a survey?* In order to develop an effective ECDL training approach suitable for the CAD technology environment, the CECA consortium is seeking feedback from potential stakeholders...

The CECA Team

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**QUESTIONNAIRE**  
(Please tick only ONE ANSWER in the appropriate box column)

1. Your Current Status:  Studying for a Degree,  Studying for a Diploma,  Unemployed,  Other

2. Your Age Group:  Less than 20,  21 - 30,  More than 30

3. Gender:  Male,  Female

4. Name of Country you live in: \_\_\_\_\_

5. Any experience (years) in technical drawing:  Less than 1,  1-3,  More than 3

6. Would you be willing to obtain ECDL certification in Computer Aided Design (CAD) during the next 3 years?  Probably YES,  Definitely YES,  Definitely NO

7. Assuming that an e-Learning (web-based) course for the ECDL CAD is developed, would you be willing to use it?  YES, I prefer to have e-Learning based training ONLY for ECDL CAD as I can learn at my own pace & time.  Definitely NOT, I prefer to have classroom based training for ECDL CAD.  A mix, I prefer to have a mix of classroom and e-Learning based training for ECDL CAD.

8. For an e-Learning ECDL CAD course, HOW would you like to be organized?  First a topic (eg how to measure/assess part of a drawing) is explained. (then an e-Learning module is submitted to the student on the web and the student is able to submit electronically at the end of the course a completed drawing, which is then submitted to the course tutor.  First all topics are explained. (then e-Learning, once all topics are explained, at the end of the course the student is able to generate a complete drawing, which is then submitted to the course tutor.

9. Do you need a paper-based learning manual/soft?  Definitely NO - e-Learning training material is sufficient.  Definitely YES - e-Learning training material should be supplemented with a paper-based learning manual.

10. Would you prefer to have the ECDL CAD test in (a) or (b)?  (a) Completely remote and online (i.e.) can do the test remotely without the need for me to attend an approved testing centre.  (b) I would prefer to have the test at an approved testing centre so that if there are any queries/problems I can see the centre manager(s).

PLEASE FEEL FREE TO ADD ANY OTHERS PERIOD FEEDBACK/COMMENTS YOU MAY HAVE  
You can scan and email this form to: [info@ceca.com.mt](mailto:info@ceca.com.mt) or send it by fax to: +356 21410018

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Fig.[1]- WP2 Survey Questionnaire Generated & Approved by Coordinator

Most CECA partners excluding one, managed to collect a sample of filled up questionnaires, these sent by either email or fax to P5 for analysis. Based on the data





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collected (see example in Fig.[2]), a *detailed* analysis was carried out the results of which are as per attached document.

QUESTIONNAIRE			
(Please TICK only ONE ANSWER in the appropriate box/column)			
<b>1. Your Current Status</b>	<input checked="" type="checkbox"/> Studying for a Degree	<input type="checkbox"/> Studying for a Diploma	<input type="checkbox"/> Unemployed   <input type="checkbox"/> Other
<b>2. Your Age Group</b>	<input type="checkbox"/> Less than 20	<input checked="" type="checkbox"/> 21 - 30	<input type="checkbox"/> More than 30
<b>3. Gender</b>	<input type="checkbox"/> Male   <input checked="" type="checkbox"/> Female		
<b>4. Name of Country you Live in</b>	ROMANIA		
<b>5. Any experience (years) in technical drawing</b>	<input type="checkbox"/> Less than 1	<input checked="" type="checkbox"/> 1-5	<input type="checkbox"/> More than 5
<b>6. Would you be willing to obtain ECDL certification in Computer Aided Design (CAD) during say the next 3 years?</b>	<input checked="" type="checkbox"/> Probably YES	<input type="checkbox"/> Definitely YES	<input type="checkbox"/> Definitely NO
<b>7. Assuming that a good e-Learning (web-based) course for on ECDL CAD is developed, would you be willing to use it?</b>	<input checked="" type="checkbox"/> YES. I prefer to have e-Learning based training ONLY for ECDL CAD as I can learn at my own pace & time.	<input type="checkbox"/> Definitely NOT. I prefer to have class-based, face-to-face training for ECDL CAD.	<input type="checkbox"/> A mix. I prefer to have a mix of class-based and e-Learning based training on ECDL CAD.
<b>8. For an e-Learning ECDL CAD course, HOW would you like to have training organized?</b>	First a topic (eg how to magnify/zoom part of a drawing) is explained; Then an automated demonstration of how the topic (zoom) is typically used/works is given; <input checked="" type="checkbox"/>	First a topic (eg how to magnify/zoom part of a drawing) is explained; Then an exercise is given on each topic which the student has to do and submit electronically to the tutor for feedback; <input type="checkbox"/>	First all topics are explained. Then eventually, once all topics are explained, at the end of the course the student is told to generate a complex drawing, which is then submitted to the course tutor. <input type="checkbox"/>
<b>9. Do you need a paper-based training manual too?</b>	<input checked="" type="checkbox"/> Definitely NO - e-Learning training material is sufficient;	<input type="checkbox"/> Definitely YES - e-Learning training material should be complemented with a paper-based training manual; <input checked="" type="checkbox"/>	
<b>10. Would you prefer to have the ECDL CAD test as in (a) or (b) ?</b>	<input checked="" type="checkbox"/> (a) Completely remote and on-line ie I can do the test remotely without the need for me to attend an approved testing centre;		<input type="checkbox"/> (b) I would prefer to have the test at an approved testing centre so that if there are any queries/problems I can get guidance straightaway.
PLEASE FEEL FREE TO ADD ANY OTHER SPECIFIC FEEDBACK/COMMENTS YOU MAY HAVE			
You can scan and email this form to <a href="mailto:jcb@mecb.com.mt">jcb@mecb.com.mt</a> or send it by fax to +356 21410010			
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Fig. [2] – Sample Filled-Up WP2 Survey Questionnaire

### Conclusions arising from WP2

As a result of the attached *detailed* analysis report in pie chart format, the following key conclusions can be made concerning this WP's objectives:

#### TRAINING MATERIAL/APPROACH

- Question 6 reveals that only 3% are definitely not interested in getting ECDL CAD certification in the next 3 years;
- Question 7 reveals that only 5% would definitely not be interested in using an e-Learning course for ECDL CAD, with 32% stating they would definitely use such a course;
- Question 8, reveals that the majority (55%) prefer training to be composed of first the explanation of a topic, followed by a relevant exercise. 27% prefer to first have the topic explained, then followed by an automated demo.
- Question 9 reveals that 84% replied that they would still want a paper-based training manual to accompany the e-Learning ECDL CAD course.

#### TESTING APPROACH

- Question 10 reveals that 84% prefer to have the ECDL CAD test held at an approved training centre rather than on-line.





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### Deliverables

1. The survey questionnaire (see Figure 1);
2. A report in pie chart format concerning the analysis of the questionnaire as per attached;

