

**INFORMATION SOCIETY TECHNOLOGIES  
(IST)  
PROGRAMME**



*SmartSketches* 

***Experimental Protocol for Final User Evaluation***

Project acronym: **SmartSketches**

Project full title: **SmartSketches: A Multimodal Approach to Improve Usability in the Early States of Product Design**

Contract no.: **IST-2000-28169**

**DELIVERABLE: D24**

## TECHNICAL REPORT

**TITLE:** Experimental Protocol for Final User Evaluation

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**DATE:** September 2004

**PAGES:** 5

**VERSION:** 1.0

**WORKPACKAGE:** 9

**DELIVERABLE:** D24

**KEYWORDS:**

**CIRCULATION:** Consortium

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### Abstract

This document presents the protocol specified for user evaluation tests to perform at IPE, to evaluate the integration prototype, developed by MIND, for car seat design.

Our experimental tests will involve users from IPE. We divide the experiment in two parts. First, we will give a brief description of the experiment and we will present the functionality of our prototype, then users will use the tool at their own discretion. While doing these we plan to collect the maximum information that we can from users' comments and questions.

With this experimental evaluation we want to get some feedback from users about our integration prototype, mainly about the features added through integration (the recognition capabilities). We will videotape all experiments, measuring times and taking notes of users' comments or suggestions.

## CarSeat Design Prototype

### Usability evaluation session

Thank you for having accepted to participate in this experiment. Its main objectives are the evaluation of the functionality added to this prototype through the integration of a recognition module (CALI).

The schedule of this session is described in the following table, indicating the estimated time for each of the foreseen tasks, with an expected total time of about 1 hour and 10 minutes.

1	Experiment and Prototype description	30 m
2	Accomplishment of tasks using our prototype	30 m
3	Questionnaire about users, prototype and tasks	10 m

This experiment intends to evaluate the utility and the effectiveness of our prototype, so, all comments and suggestions are welcome. “Think loud” during task execution and do not feel inhibited to point out negative or positive aspects, of the prototype.

To finish, we would like to thank you the time and effort spent.

## Questionnaires

### To complete before using the system

*Do you use a computer to:*

- Help in the development of new concepts
- Communicate your ideas to others
- Develop projects to be passed on to other departments

Little Much


*What type of input devices do you use:*

- Mouse
- Keyboard
- Tablet PC
- Digitizer
- Touchscreen

Yes No


*What type of graphics package to you use:*

- 2D - Technical
- 2D - Free
- 3D - Technical
- 3D - Free

Yes No Which:


*Do you use other software packages:*

Which:


*Your current working tools allow you:*

- The flexibility you need
- The precision you need

Little Much


*How would you describe 3D CAD systems usefulness to:*

- Personally develop new ideas
- Show your ideas to others
- Develop your ideas for production

Useless Useful


*How would you classify the use of computers for:*

- Free drawing
- Technical drawing

Useless Useful


*How would you describe your ability to use computers for:*

- Personally develop new ideas
- Show your ideas to others
- Develop your ideas for production

Weak Strong


*Evaluate the use of computers in terms of:*

- Ease of initial learning
- Ease of use after learning
- Interactivity
- Time saving
- Result quality
- Reuse of work between projects
- How natural the interface feels
- Adjustment to your specific work

Little Much


### To complete after using the system

Evaluate CarSeat Design prototype in terms of:

- Ease of initial learning
- Ease of use after learning
- Interactivity
- Time saving
- Result quality
- Reuse of work between projects
- How natural the interface feels
- Adjustment to your specific work

Little		Much
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Do you consider the Sketching tool:

- Useful
- Easy to use
- Reliable
- Natural
- Preferable to conventional tools

Little		Much
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Comments:

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During this presentation video footage will be taken.

Do you authorize the use of segments in which you appear for the production of demonstrational videos?

Yes  No

Name:

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Signature:

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