Testing the FRR prototype system in URB Athens – including report about sequence of testing and used material

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FRR prototype Tests

**EPT (Engineering ProtoType) tests**
(February 2003)

**APT: Alpha ProtoType tests**
(September 2003)

**BPT: Beta ProtoType tests**
(June 2004)

**PPPT: PreProduction ProtoType tests**
(December 2004-February 2005)
EPT in URB Athens

EPT components:
- Common toilet seat
- 2 horizontal grip bars
- moving toilet bowl
- moving washbasin
- full functioning toilet
- in a smaller than required room

Number of users: 8
APT components:
- Basic Lift – WC
- Mounting grid for toilet seat designs
- 3 different toilet seats "Basic", "Flexible" and "Transfer"
- horizontal grab bars
- movement control

APT in URB Athens

Number of users: 9

"Flexible“ seat

"Basic“ seat

"Transfer“ seat
The BPT components we have tested in URB Athens are the following:

1) Toilet seat and transfer seat
2) Horizontal grip bars
3) Wall mounted body support bar
4) Waste container(s)
5) Accessibility sign
6) The user interface

BPT components

Number of users: 10
Accessibility Sign

1. Door with circular symbol
   Is intended to indicate the ID function of the system

2. Door with equality symbol
   Is intended to indicate the equality of all users

3. Door with plus symbol
   Is intended to show the extra service the system offers

4. Door with remote control symbol
   Is intended to show that the system is operated via remote ID

5. Door with remote communication symbol
   Is intended to show that the system is operated via remote ID

6. ID card with remote control symbol
   Is intended to show that the system is operated via remote ID

7. Door with EU-stars
   Is intended to show that the system is equal in the whole of EU

8. Door with 3 stars
   Is intended to show that the system is a ‘three-star’ service system

“Developing Friendly Rest Rooms for the elderly and the disabled people”
FRR Final Conference Vienna, 17th March 2005
The PPPT components we have tested in URB Athens are the Following:

1) Toilet seat and transfer seat
2) Vertical grip bars
3) Wall mounted body support bar
4) Accessibility sign
5) Toilet room
6) Storage place

Number of users:

- 22 primary
- 11 secondary
Accessibility Sign

“Developing Friendly Rest Rooms for the elderly and the disabled people”
FRR Final Conference Vienna, 17th March 2005
Tests persons recruitment

-Primary users:

*Elderly people from KAPI (Centres for Older People) or from the researchers’ corresponding milieu*

*Disabled people with movement difficulties*

-Secondary users:

*Nurses*

*Occupational therapists*

*Physiotherapists*
Experiences of testing: Older People

The testing procedure was very interesting to all of the users.

The prototype seemed to be:

Interesting, with many features and very helpful
Very innovative and up-to-date

but also,

Probably expensive
Complicated to some users due to some difficulty in use
“Too good to be true”
Experiences of testing: People with disabilities

The testing procedure was very interesting to most of the users

The prototype seemed to be:

New and innovative, very interesting, and useful to their needs

but

They needed more features to be provided when they used the prototype
Experiences of testing: Secondary users

The testing procedure was commended as demanding by the most of the secondary users.

The prototype seemed to be:

New and innovative, very interesting, and useful to the needs of people who care for

but

They felt that it would be difficult for such device to be widely available.
Experiences of the research team

- Working with people with different abilities
- Gaining knowledge about what test persons need, think and feel about their difficulties in daily life
- Managing difficulties during interaction with test persons and prototypes
- Working in a multidisciplinary group
- Collaborating successfully with other URBs from different scientific and cultures