Text input form

Please fill the white boxes with the information that should be written in the report. If you think you do not need to give an information, you can simply let the box empty.

# General information about the study

|  |  |
| --- | --- |
| **Type of study** | formative study |
| **Study number** | 2 |
| **Identification number** | 1996.40 |
| **Number of participants** | 8 |
| **Number of critical tasks** | 3 |

# Cover page

## Title and subtitle

|  |  |
| --- | --- |
| **Title** | medical device usability testing |
| **Subtitle** | report of the formative study 2 |

## Information about document approval

|  |  |
| --- | --- |
| **Author’s name** | Tintin |
| **Author’s function** | adventurer |
| **Reviewer’s name** | Haddock |
| **Reviewer’s function** | captain |
| **Approver’s name** | Tournesol |
| **Approver’s function** | professor |

## Picture

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Cover\_page | Picture of the cover page. |

# Header

|  |  |
| --- | --- |
| **Firm name** | pd|z |
| **Header title** | formative study 2 |
| **Version / ID** | 1996.40 |

# Purpose

|  |
| --- |
| Please write the chapter text below: |
| In this {0}, the usability of a medical device was tested.  It was a bright cold day in April, and the clocks were striking thirteen. Winston Smith, his chin nuzzled into his breast in an effort to escape the vile wind, slipped quickly through the glass doors of Victory Mansions, though not quickly enough to prevent a swirl of gritty dust from entering along with him. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | Type of study |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Purpose1 |  |
| Purpose2 |  |
| Purpose3 |  |

# Background

|  |
| --- |
| Please write the chapter text below: |
| The hallway smelt of boiled cabbage and old rag mats. At one end of it a coloured poster, too large for indoor display, had been tacked to the wall. It depicted simply an enormous face, more than a metre wide: the face of a man of about forty-five, with a heavy black moustache and ruggedly handsome features. Winston made for the stairs. It was no use trying the lift. Even at the best of times it was seldom working, and at present the electric current was cut off during daylight hours. It was part of the economy drive in preparation for Hate Week. The flat was seven flights up, and Winston, who was thirty-nine and had a varicose ulcer above his right ankle, went slowly, resting several times on the way. On each landing, opposite the lift shaft, the poster with the enormous face gazed from the wall. It was one of those pictures which are so contrived that the eyes follow you about when you move. BIG BROTHER IS WATCHING YOU, the caption beneath it ran. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Background1 |  |
| Background2 |  |
| Background3 |  |

# Scope

|  |
| --- |
| Please write the chapter text below: |
| {0} has created this new device and {1} had to test it.  Inside the flat a fruity voice was reading out a list of figures which had something to do with the production of pig-iron. The voice came from an oblong metal plaque like a dulled mirror which formed part of the surface of the right-hand wall. Winston turned a switch and the voice sank somewhat, though the words were still distinguishable. The instrument (the telescreen, it was called) could be dimmed, but there was no way of shutting it off completely. He moved over to the window: a smallish, frail figure, the meagreness of his body merely emphasized by the blue overalls which were the uniform of the Party. His hair was very fair, his face naturally sanguine, his skin roughened by coarse soap and blunt razor blades and the cold of the winter that had just ended. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | Firm name |
| Parameter 1 | {1} | Author’s name |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Scope1 |  |
| Scope2 |  |
| Scope3 |  |

# Terms definitions

## EU Regulation 2017/745

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Medical device** | Yes |  | **Investigational device** | No |
| **Accessory for a medical device** | No |  | **Clinical investigation plan** | No |
| **Custom-made device** | No |  | **Clinical data** | No |
| **Active device** | No |  | **Subject** | No |
| **Implantable device** | No |  | **Clinical evidence** | No |
| **Invasive device** | No |  | **Clinical performance** | No |
| **Single-use device** | No |  | **Clinical benefit** | No |
| **Intended purpose** | No |  | **Investigator** | No |
| **Label** | No |  | **Informed consent** | No |
| **Instructions for use** | No |  | **Adverse event** | No |
| **Performance** | No |  | **Serious adverse event** | No |
| **Risk** | No |  | **Device deficiency** | No |
| **User** | No |  | **Withdrawal** | No |
| **Lay person** | No |  | **Incident** | No |
| **Clinical evaluation** | Yes |  | **Serious incident** | No |
| **Clinical investigation** | Yes |  |  |  |

## IEC 62366-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Abnormal use** | Yes |  | **Usability** | Yes |
| **Accompanying documentation** | No |  | **Usability engineering** | Yes |
| **Correct use** | No |  | **Use environment** | Yes |
| **Formative evaluation** | Yes |  | **Use error** | No |
| **Hazard-related use scenario** | No |  | **Use scenario** | No |
| **Normal use** | No |  | **Use specification** | Yes |
| **Patient** | No |  | **User** | No |
| **Primary operating function** | No |  | **User group** | No |
| **Summative evaluation** | Yes |  | **User interface** | Yes |
| **Task** | No |  | **User interface specification** | No |

## FDA Guidance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Abnormal use** | No |  | **Human factors validation testing** | No |
| **Critical task** | Yes |  | **Task** | No |
| **Formative evaluation** | No |  | **Use error** | Yes |
| **Hazard** | No |  | **User** | No |
| **Hazardous situation** | No |  | **User interface** | No |
| **Human factors engineering** | Yes |  |  |  |

# Ethics statement

|  |
| --- |
| Please write the chapter text below: |
| Outside, even through the shut window-pane, the world looked cold. Down in the street little eddies of wind were whirling dust and torn paper into spirals, and though the sun was shining and the sky a harsh blue, there seemed to be no colour in anything, except the posters that were plastered everywhere. The black-moustachio’d face gazed down from every commanding corner. There was one on the house-front immediately opposite. BIG BROTHER IS WATCHING YOU, the caption said, while the dark eyes looked deep into Winston’s own. Down at street level another poster, torn at one corner, flapped fitfully in the wind, alternately covering and uncovering the single word INGSOC. In the far distance a helicopter skimmed down between the roofs, hovered for an instant like a bluebottle, and darted away again with a curving flight. It was the police patrol, snooping into people’s windows. The patrols did not matter, however. Only the Thought Police mattered. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Ethics\_statement1 |  |
| Ethics\_statement2 |  |
| Ethics\_statement3 |  |

# Device specifications

|  |
| --- |
| Please write the chapter text below: |
| Behind Winston’s back the voice from the telescreen was still babbling away about pig-iron and the overfulfilment of the Ninth Three-Year Plan. The telescreen received and transmitted simultaneously. Any sound that Winston made, above the level of a very low whisper, would be picked up by it; moreover, so long as he remained within the field of vision which the metal plaque commanded, he could be seen as well as heard. There was of course no way of knowing whether you were being watched at any given moment. How often, or on what system, the Thought Police plugged in on any individual wire was guesswork. It was even conceivable that they watched everybody all the time. But at any rate they could plug in your wire whenever they wanted to. You had to live – did live, from habit that became instinct – in the assumption that every sound you made was overheard, and, except in darkness, every movement scrutinised. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Device\_specifications1 | Some medical devices. |
| Device\_specifications2 | Another medical device is shown here. |
| Device\_specifications3 | A third picture of a device. |

# Test procedure

## Goal

|  |
| --- |
| Please write the chapter text below: |
| In this study, {0} were asked to perform {1} critical tasks.  Winston kept his back turned to the telescreen. It was safer; though, as he well knew, even a back can be revealing. A kilometre away the Ministry of Truth, his place of work, towered vast and white above the grimy landscape. This, he thought with a sort of vague distaste – this was London, chief city of Airstrip One, itself the third most populous of the provinces of Oceania. He tried to squeeze out some childhood memory that should tell him whether London had always been quite like this. Were there always these vistas of rotting nineteenth-century houses, their sides shored up with baulks of timber, their windows patched with cardboard and their roofs with corrugated iron, their crazy garden walls sagging in all directions? And the bombed sites where the plaster dust swirled in the air and the willowherb straggled over the heaps of rubble; and the places where the bombs had cleared a larger patch and there had sprung up sordid colonies of wooden dwellings like chicken-houses? But it was no use, he could not remember: nothing remained of his childhood except a series of bright-lit tableaux, occurring against no background and mostly unintelligible. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | Number of participants |
| Parameter 1 | {1} | Number of critical tasks |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Goal1 |  |
| Goal2 |  |
| Goal3 |  |

## Participants

|  |
| --- |
| Please write the chapter text below: |
| The Ministry of Truth – Minitrue, in Newspeak1 – was startlingly different from any other object in sight. It was an enormous pyramidal structure of glittering white concrete, soaring up, terrace after terrace, three hundred metres into the air. From where Winston stood it was just possible to read, picked out on its white face in elegant lettering, the three slogans of the Party:  WAR IS PEACE  FREEDOM IS SLAVERY  IGNORANCE IS STRENGTH. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Participants1 | Some professionals looking at a screen. |
| Participants2 |  |
| Participants3 |  |

## Use environment

|  |
| --- |
| Please write the chapter text below: |
| The Ministry of Truth contained, it was said, three thousand rooms above ground level, and corresponding ramifications below. Scattered about London there were just three other buildings of similar appearance and size. So completely did they dwarf the surrounding architecture that from the roof of Victory Mansions you could see all four of them simultaneously. They were the homes of the four Ministries between which the entire apparatus of government was divided. The Ministry of Truth, which concerned itself with news, entertainment, education and the fine arts. The Ministry of Peace, which concerned itself with war. The Ministry of Love, which maintained law and order. And the Ministry of Plenty, which was responsible for economic affairs. Their names, in Newspeak: Minitrue, Minipax, Miniluv and Miniplenty. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Use\_environment1 | This looks like a medical device. |
| Use\_environment2 |  |
| Use\_environment3 |  |

## Use scenarios

|  |
| --- |
| Please write the chapter text below: |
| The Ministry of Love was the really frightening one. There were no windows in it at all. Winston had never been inside the Ministry of Love, nor within half a kilometre of it. It was a place impossible to enter except on official business, and then only by penetrating through a maze of barbed-wire entanglements, steel doors and hidden machine-gun nests. Even the streets leading up to its outer barriers were roamed by gorilla-faced guards in black uniforms, armed with jointed truncheons.  Winston turned round abruptly. He had set his features into the expression of quiet optimism which it was advisable to wear when facing the telescreen. He crossed the room into the tiny kitchen. By leaving the Ministry at this time of day he had sacrificed his lunch in the canteen, and he was aware that there was no food in the kitchen except a hunk of dark-coloured bread which had got to be saved for tomorrow’s breakfast. He took down from the shelf a bottle of colourless liquid with a plain white label marked VICTORY GIN. It gave off a sickly, oily smell, as of Chinese rice-spirit. Winston poured out nearly a teacupful, nerved himself for a shock, and gulped it down like a dose of medicine. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Use\_scenarios1 |  |
| Use\_scenarios2 |  |
| Use\_scenarios3 |  |

## Setup

|  |
| --- |
| Please write the chapter text below: |
| The idea had even crossed his mind that she might be an agent of the Thought Police. That, it was true, was very unlikely. Still, he continued to feel a peculiar uneasiness, which had fear mixed up in it as well as hostility, whenever she was anywhere near him. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Setup1 | Here is another medical device. |
| Setup2 |  |
| Setup3 |  |

# Results

## Information about critical tasks

|  |  |  |
| --- | --- | --- |
| **Critical task** | **Name** | **Description** |
| Critical task 1 | Discovering |  |
| Critical task 2 | Hearing |  |
| Critical task 3 | Writing |  |
| Critical task 4 | Closing |  |
| Critical task 5 |  |  |
| Critical task 6 |  |  |
| Critical task 7 |  |  |
| Critical task 8 |  |  |
| Critical task 9 |  |  |
| Critical task 10 |  |  |
| Critical task 11 |  |  |
| Critical task 12 |  |  |
| Critical task 13 |  |  |
| Critical task 14 |  |  |
| Critical task 15 |  |  |

## Effectiveness analysis

|  |  |
| --- | --- |
| **Do you want to perform this analysis?** | Yes |

### Information about effectiveness analysis

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Critical task** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **P8** | **P9** | **P10** | **P11** | **P12** | **P13** | **P14** | **P15** |
| Critical task 1 | 1 |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
| Critical task 2 |  |  | 3 |  | 3 |  |  |  |  |  |  |  |  |  |  |
| Critical task 3 |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |
| Critical task 4 |  |  | 5 |  |  |  | 5 |  |  |  |  |  |  |  |  |
| Critical task 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Problem** | **Problem type** | **Problem description** |
| Problem 1 | Important problem | Participant did not properly discover. |
| Problem 2 | Critical problem | Participant did not discover at all. |
| Problem 3 | Marginal problem | Participants could not hear well |
| Problem 4 | Marginal problem | Participant write something false. |
| Problem 5 | Critical problem | Participants forgot to close. |
| Problem 6 | - |  |
| Problem 7 | - |  |
| Problem 8 | - |  |
| Problem 9 | - |  |
| Problem 10 | - |  |
| Problem 11 | - |  |
| Problem 12 | - |  |
| Problem 13 | - |  |
| Problem 14 | - |  |
| Problem 15 | - |  |

### Discussion

|  |
| --- |
| Please write the chapter text below: |
| He knew the reason. It was because of the atmosphere of hockey-fields and cold baths and community hikes and general clean-mindedness which she managed to carry about with her. He disliked nearly all women, and especially the young and pretty ones. It was always the women, and above all the young ones, who were the most bigoted adherents of the Party, the swallowers of slogans, the amateur spies and nosers-out of unorthodoxy. But this particular girl gave him the impression of being more dangerous than most. Once when they passed in the corridor she had given him a quick sidelong glance which seemed to pierce right into him and for a moment had filled him with black terror. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Effectiveness\_analysis1 |  |
| Effectiveness\_analysis2 |  |
| Effectiveness\_analysis3 |  |

## Time on tasks

|  |  |
| --- | --- |
| **Do you want to perform this analysis?** | No |

### Information about time on tasks analysis

|  |  |
| --- | --- |
| **Plot type** | Bar plot |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Critical task** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **P8** | **P9** | **P10** | **P11** | **P12** | **P13** | **P14** | **P15** |
| Critical task 1 | 9 | 11 | 10 | 7 | 4 | 21 | 13 | 15 | 19 | 9 |  |  |  |  |  |
| Critical task 2 | 9 | 3 | 7 | 2 | 6 | 2 | 5 | 4 | 3 | 2 |  |  |  |  |  |
| Critical task 3 | 34 | 38 | 29 | 43 | 55 | 34 | 61 | 25 | 46 | 53 |  |  |  |  |  |
| Critical task 4 | 14 | 24 | 17 | 23 | 27 | 19 | 29 | 17 | 15 | 20 |  |  |  |  |  |
| Critical task 5 | 13 | 25 | 19 | 14 | 26 | 23 | 43 | 18 | 21 | 25 |  |  |  |  |  |
| Critical task 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Critical task 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

### Discussion

|  |
| --- |
| Please write the chapter text below: |
| Presumably – since he had sometimes seen her with oily hands and carrying a spanner – she had some mechanical job on one of the novel-writing machines. She was a bold-looking girl, of about twenty-seven, with thick dark hair, a freckled face and swift, athletic movements. A narrow scarlet sash, emblem of the Junior Anti-Sex League, was wound several times round the waist of her overalls, just tightly enough to bring out the shapeliness of her hips. Winston had disliked her from the very first moment of seeing her. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Time\_on\_tasks1 |  |
| Time\_on\_tasks2 |  |
| Time\_on\_tasks3 |  |

## Dwell times and revisits

|  |  |
| --- | --- |
| **Do you want to perform this analysis?** | Yes |

### Discussion

|  |
| --- |
| Please write the chapter text below: |
| It was nearly eleven hundred, and in the Records Department, where Winston worked, they were dragging the chairs out of the cubicles and grouping them in the centre of the hall, opposite the big telescreen, in preparation for the Two Minutes Hate. Winston was just taking his place in one of the middle rows when two people whom he knew by sight, but had never spoken to, came unexpectedly into the room. One of them was a girl whom he often passed in the corridors. He did not know her name, but he knew that she worked in the Fiction Department. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Dwell\_times\_and\_revisits1 |  |
| Dwell\_times\_and\_revisits2 |  |
| Dwell\_times\_and\_revisits3 |  |

## Average fixation

|  |  |
| --- | --- |
| **Do you want to perform this analysis?** | Yes |

### Information about average fixation analysis

|  |  |
| --- | --- |
| **Plot type** | Box plot |

### Discussion

|  |
| --- |
| Please write the chapter text below: |
| It had happened that morning at the Ministry, if anything so nebulous could be said to happen. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Average\_fixation1 |  |
| Average\_fixation2 |  |
| Average\_fixation3 |  |

## Transitions

|  |  |
| --- | --- |
| **Do you want to perform this analysis?** | Yes |

### Discussion

|  |
| --- |
| Please write the chapter text below: |
| Winston stopped writing, partly because he was suffering from cramp. He did not know what had made him pour out this stream of rubbish. But the curious thing was that while he was doing so a totally different memory had clarified itself in his mind, to the point where he almost felt equal to writing it down. It was, he now realized, because of this other incident that he had suddenly decided to come home and begin the diary today. |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Transitions1 |  |
| Transitions2 |  |
| Transitions3 |  |

# Conclusion

|  |
| --- |
| Please write the chapter text below: |
| Suddenly he began writing in sheer panic, only imperfectly aware of what he was setting down. His small but childish handwriting straggled up and down the page, shedding first its capital letters and finally even its full stops:  April 4th, 1984. Last night to the flicks. All war films. One very good one of a ship full of refugees being bombed somewhere in the Mediterranean. Audience much amused by shots of a great huge fat man trying to swim away with a helicopter after him, first you saw him wallowing along in the water like a porpoise, then you saw him through the helicopters gunsights, then he was full of holes and the sea round him turned pink and he sank as suddenly as though the holes had let in the water, audience shouting with laughter when he sank, then you saw a lifeboat full of children with a helicopter hovering over it, there was a middleaged woman might have been a jewess sitting up in the bow with a little boy about three years old in her arms, little boy screaming with fright and hiding his head between her breasts as if he was trying to burrow right into her and the woman putting her arms round him and comforting him although she was blue with fright herself, all the time covering him up as much as possible as if she thought her arms could keep the bullets off him, then the helicopter planted a 20 kilo bomb in among them terrific flash and the boat went all to matchwood, then there was a wonderful shot of a child’s arm going up up up right up into the air a helicopter with a camera in its nose must have followed it up and there was a lot of applause from the party seats but a woman down in the prole part of the house suddenly started kicking up a fuss and shouting they didnt oughter of showed it not in front of kids they didnt it aint right not in front of kids it aint until the police turned her turned her out i dont suppose anything happened to her nobody cares what the proles say typical prole reaction they never – |

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Reference** | **Value** |
| Parameter 0 | {0} | - |
| Parameter 1 | {1} | - |
| Parameter 2 | {2} | - |

|  |  |
| --- | --- |
| **Picture name** | **Caption** |
| Conclusion1 |  |
| Conclusion2 |  |
| Conclusion3 |  |

# Appendix

## Participants characteristics

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Participant** | **Gender** | **Age** | **Function** | **Disease / Handicap** | **Experience** | **Known similar devices** |
| Participant 1 | Male | 105 | Patient | Blind | No experience |  |
| Participant 2 | Female | 24 | Nurse |  | Expert | ETH device |
| Participant 3 | Male | 35 | Doctor |  | Expert | EPFL device |
| Participant 4 | Male | 64 | Patient |  | No experience |  |
| Participant 5 | Female | 32 | Patient |  | Expert | EPFL device |
| Participant 6 | Male | 18 | Student |  | No experience |  |
| Participant 7 | Female | 54 | Doctor |  | Expert | EPFL device |
| Participant 8 | Male | 27 | Patient | Deaf | Little experience | EPFL device |
| Participant 9 | Female | 33 | Student |  | Little experience | ETH device |
| Participant 10 | Female | 72 | Patient | Paraplegic | No experience |  |
| Participant 11 |  |  |  |  |  |  |
| Participant 12 |  |  |  |  |  |  |
| Participant 13 |  |  |  |  |  |  |
| Participant 14 |  |  |  |  |  |  |
| Participant 15 |  |  |  |  |  |  |