

Interview guide – final interview (semi-structured), taken together with **questionnaire (Q-2)** at the end of the trial, focusing on the experience, the burden of being a respondent, impact on everyday activities, household behaviours and interactions, privacy/intrusion, and how well participants felt they understood the technical set-up and live operation, and what could be inferred from the data.

1. Introduction

- a. Remind the interviewee of what is going to happen, if they are still happy to give an interview to discuss the experience of their participation.
- b. Remind that the interview is confidential, the interviewee does not have to answer questions that are uncomfortable, too private, and does not have to explain any such choices.
- c. Ask permission to record the interview and give a clear sign when the interview recording has started.

2. The interview as a conversation

The interviewee and other household members will at this stage have lived with fixed and mobile sensors for 3 months, and the interviewee will have produced a 4-day diary of time-use at some point during that time

a. General considerations guiding the researcher:

- a.1 The interview should be open ended in the sense that it should be structured along the lines of first opening up a conversation about the overall experience looking back, to allow the interviewee to initiate topics that turn on the 'interesting' aspects of the experience, the situations that are 'memorable', problems they faced, discomfort they felt, and what they think of the instructions and the tasks that were given to them.
- a.3 Generally use questions or comments that encourage interviewees to speak their mind.
- a.4 Make sure not to rush the interviewees, i.e., allow them to finish a train of thought in their own time.

b. Things that should be covered to ensure a good sense of the overall experience:

- b.1 How did the interviewee and other household members generally react to having live sensors in their residence?
- b.2 How did the interviewee (and second member) generally react to wearing an activity sensor?
- b.3 Did they have conversations about the trial and, if so, what did they talk about?
- b.4 Did they check up on the energy monitor on site and, if so, what can they say about seeing their use of energy on the hubs? What do they think this may be good for, if at all? Would they like to have such monitoring on an ongoing basis?
- b.5 Did they keep track of their activity recordings and, if so, what purpose (if any) does such monitoring have in their lives? Will they continue to monitor activity levels?
- b.6 Was there any point in time when the fixed sensors were turned off and, if so, what kind of situations came up that lead to that decision?
- b.7 Did they at any time disconnect the activity sensor(s) and, if so, what were the circumstances in which they decided to do so?
- b.8 Did the sensors malfunction at any time? Where they clear on what to do about it?
- b.9 How was it to keep a diary of time-use? Were there any specific complications in doing that? Did this task teach them something of interest about themselves? Did this task alter their perception of how they utilise their household?
- b.10 How does the interviewee rate the burden of being a key respondent? Can they say something about negotiations with other household members, visitors & house guests, the commitment to the trial and the responsibility for the household as a whole? How did their participation affect their time and ordinary goings-on?
- b.11 Does the interviewee feel that having sensors and around and/or wearing one, can impact their behaviour in some way? Can they take examples and explain why?