**Catalogue of Actions to be detected**

*All actions should be performed and recorded with both hands*

**Probable:**

*These are actions which we currently believe have unique enough features that should allow us to set up rules to detect them.*

Door (open/close)

Eating/Drinking (with/without cutlery)

Turning tap/dial/knob/other

Washing hands

Wiping/scrubbing a surface

Furniture (pulling out/pushing in)

Packing a Bag (putting in/ taking out)

Writing

Typing

Using a mouse

Object (Pickup/putdown/reach/retrieval [this may need to be divided further])

Switch flick (on/off)

Shake hands

Swinging arms

Pointing

**Questionable:**

*These are actions that we currently believe may be too difficult to set up rules to detect.*

Interactions with specific everyday items (phone, wallet, money, headphones, deodorant, other stationary, etc) – *potentially too hard to differentiate from one another however some of them may be possible, too hard to tell at this point*.

Eyewear (putting on/taking off) – *at this point ‘above camera’ actions are in doubt due to not knowing what footage the camera is capable of picking up. If we have to define some above camera actions then we will settle for Eating/Drinking as it is a more important action*.

Squeezing – *when holding an object it might be too hard to detect that it is being squeezed.*

Pressing Buttons – *might not be intricate enough to differentiate from some of the other actions like flicking a switch or pointing.*

Appling makeup (or other facial actions) – *another above camera level action that we’re unsure if will be caught on footage.*

Combing (or other hair actions) – *another above camera level action that we’re unsure if will be caught on footage.*

Stretching/Exercise *- some specific/unique ones may be distinguishable enough to detect.*

Cooking actions (chopping, slicing, grating, peeling, stirring, etc) – *may be too difficult to differentiate from other actions, we’ll have to look into it later. This ones a low priority*

Blowing nose – *tissue or handkerchief may obstruct camera, also it is another above camera level action that we’re unsure if will be caught on footage.*

Dressing *- perhaps putting shoes on is one aspect that might be possible, but since the chest strap needs to be on for the camera, we’re not going to get footage of people putting their clothes on.*

**Ignore:**

*Actions that we’d prefer not to detect on purpose.*

Random Scratching/fidgeting

Other people’s movements

Movements caused by stability of camera/speed or sudden rotation of user