



NHS COVID App

Closed Beta Test

Data Gathering Plan

May 2020

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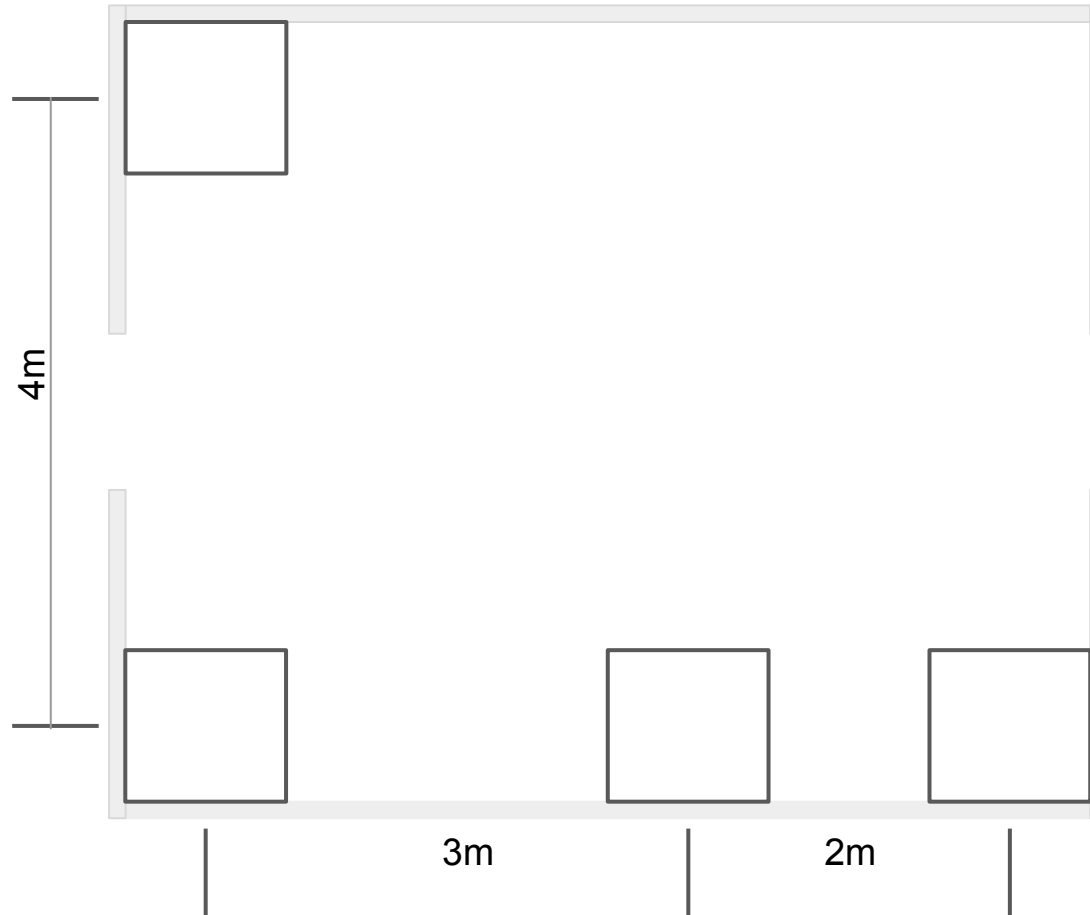
Introduction

A closed Beta Test of the NHS contact tracing mobile app is taking place at RAF Leeming in the weeks of 6 and 13 April 2020.

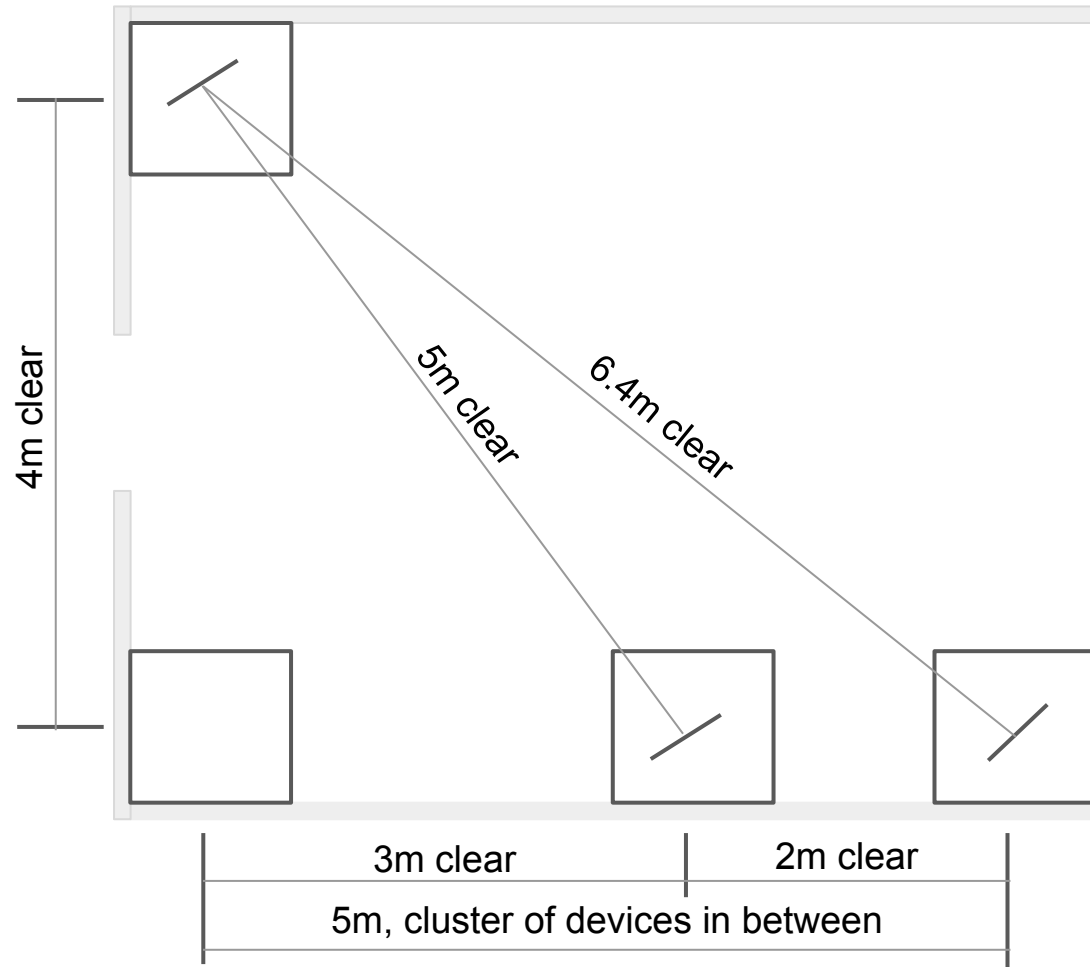
This presentation describes the recording requested for the field test, and the scenario and recording for a staged exercise to gather additional, specific data.

Staged Scenario

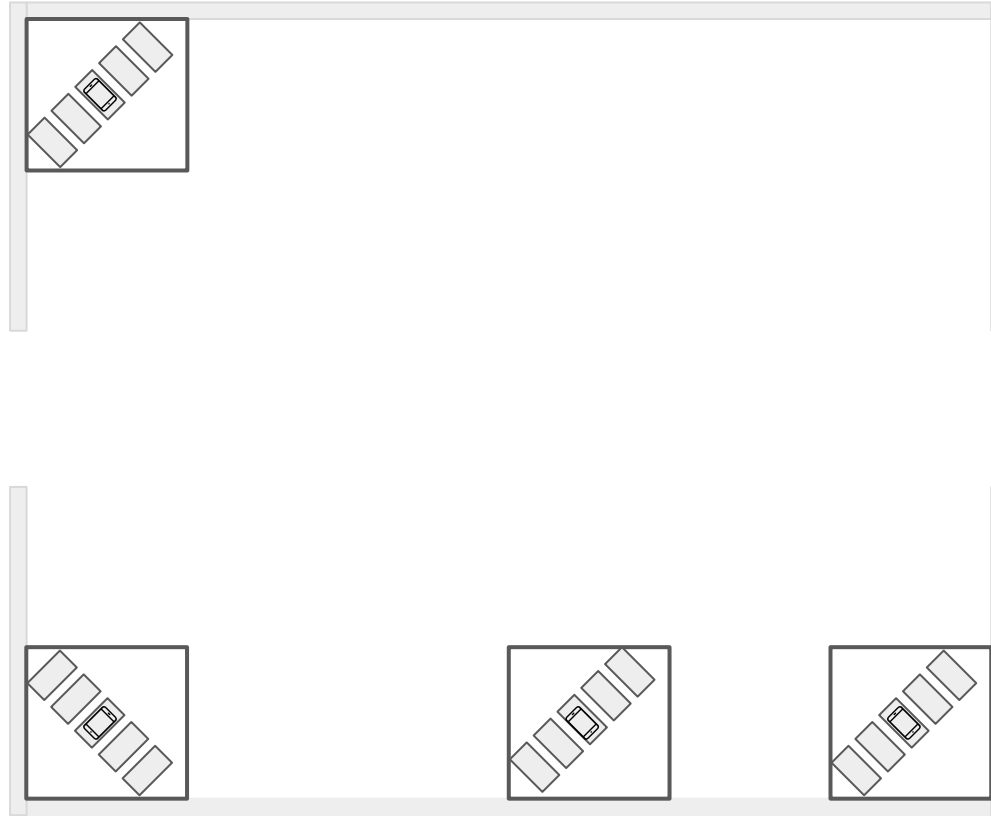
Layout



What we can observe



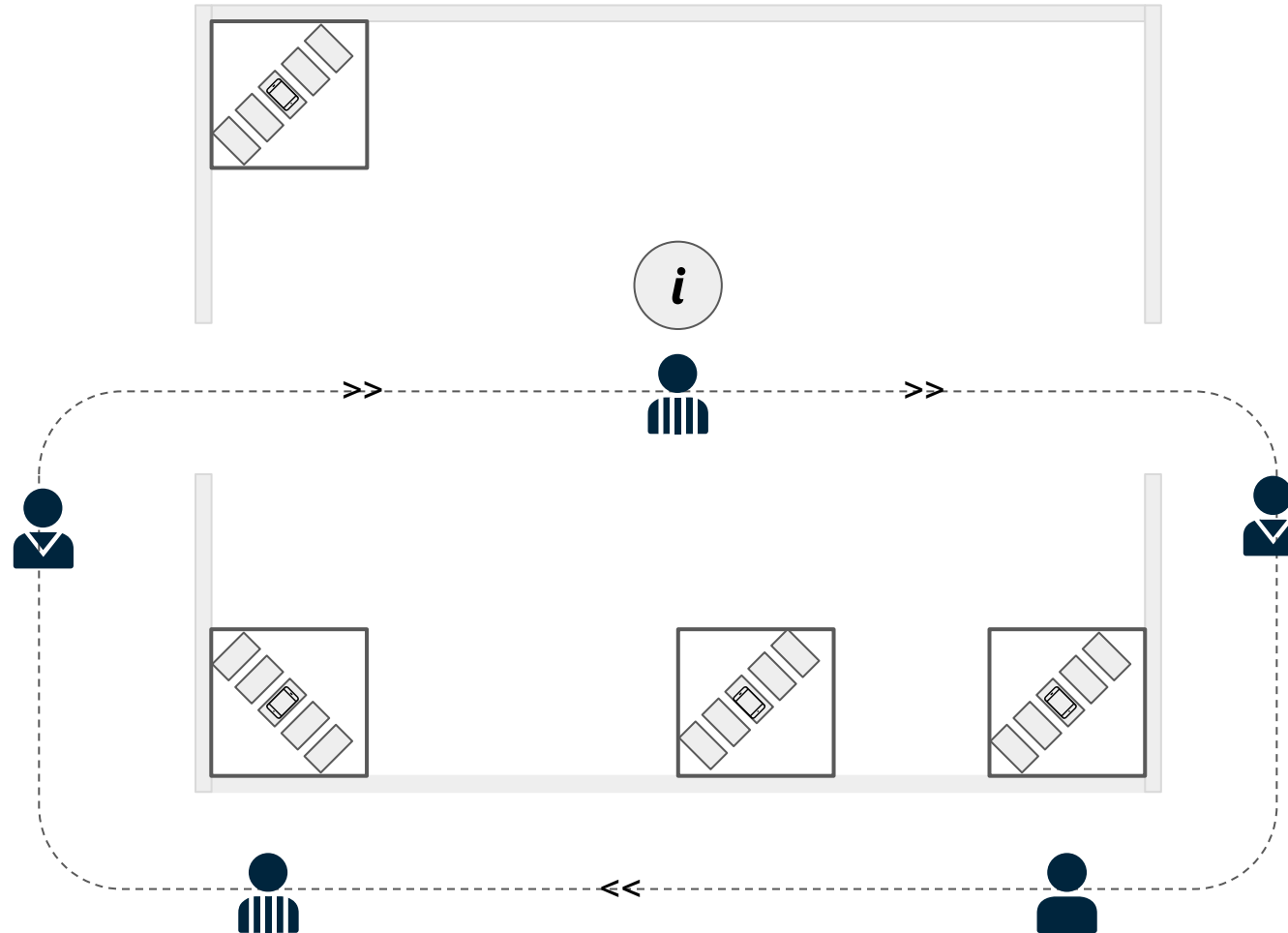
Setup



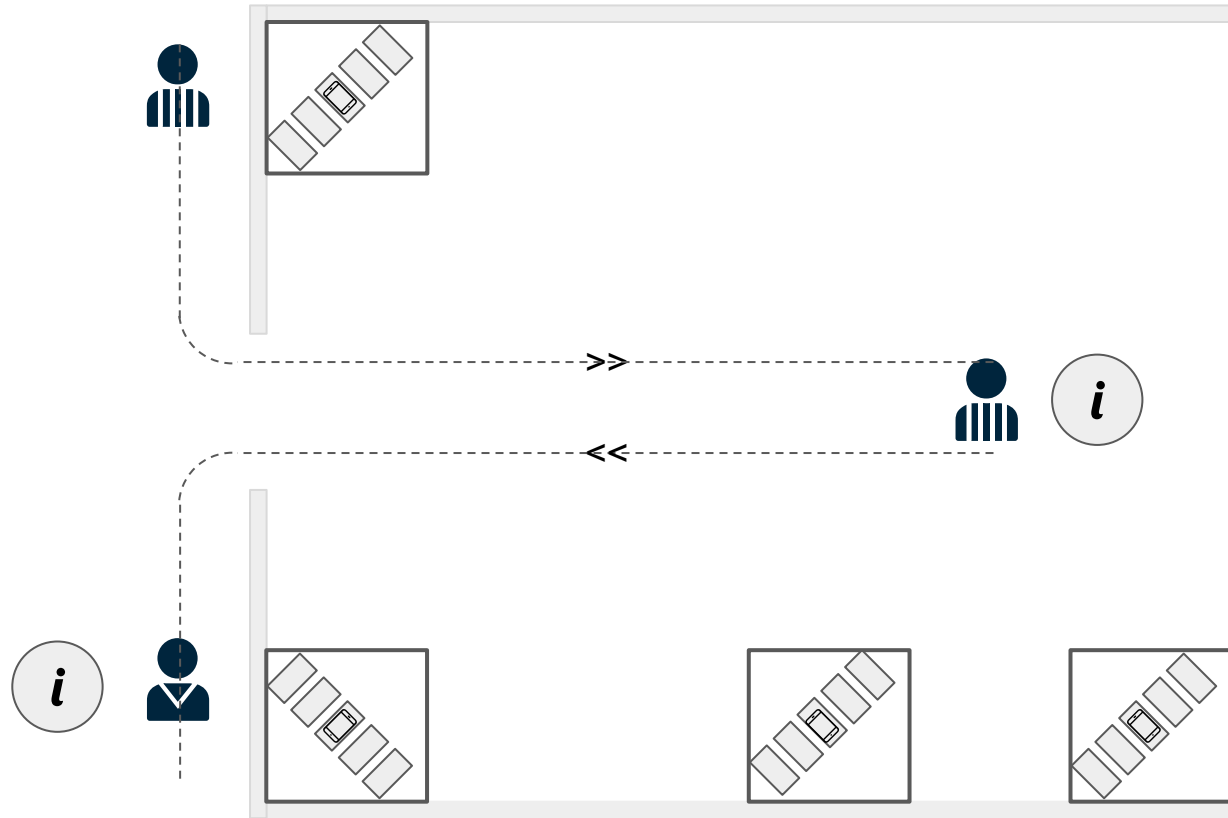
The Walk Through

- Process
 - Participants are asked to carry their phone on the walk through the test space as they would when shopping on the high street
 - Participants walk through the test space
- Goals
 - Field validation of device detection for sub 30s time-in-range
 - Observation of practical differences in signal strength measurement between devices and carrying approaches

The Walk Through - if possible



The Walk Through - or...



The Build Up

- Process

- Participants enter the space and find the allocated space for their device
 - The search through the zones, and the associated dwell time next to each zone, is an intentional part of the exercise
- Participants place their device on the allocated sheet

- Goals

- Field validation of device signal strength reports at $< 1, 2, 3, 4, 5, > 6$ metres
- Field validation of multi-device detection reliability

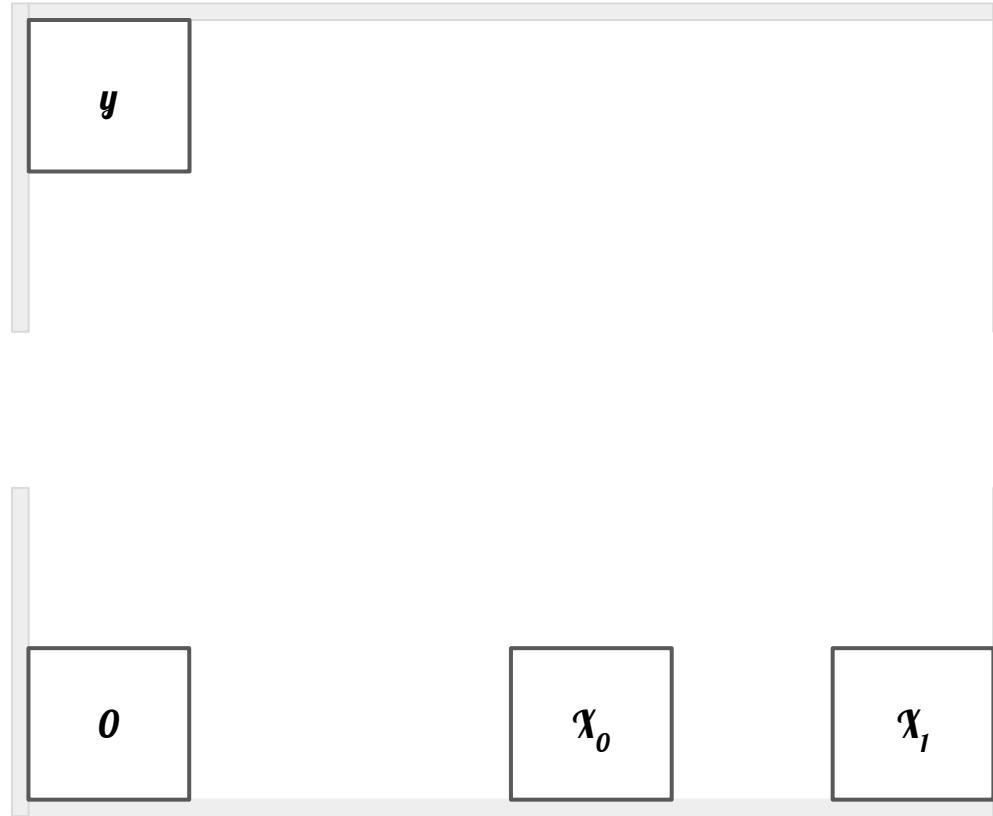
The Tear Down

- Process
 - Participants enter the space retrieve their device and leave

Setup

- Four Zones
 - Zone 0
 - Zone y , 4 metres centre-to-centre from Zone 0
 - Zone x_0 , 3 metres centre-to-centre from Zone 0 in a perpendicular direction to Zone y
 - Zone x_1 , 2 metres beyond Zone x_0 on the line from Zone 0
- Two entrances would be nice to have
 - One between 0 and y , one opposite
- Mark out each zone with a beacon
 - Nominate a device to act as beacon for each zone
 - Place the device in the zone before the group exercise
- Mark a location for each participating device
 - Print a page with each participants name
 - Distribute these across the zones
 - Lay out lines or deltas facing the centre of the space if possible, rather than leaving an entire axis in a line
 - Mixing up device types in each zone would be nice to have

Setup



Recording

- Which participants provided beacon devices
- Which zone was each participant's device in
- How did participants carry devices during walk-through