



Noise Monitoring Strategy

November 2016

Heathrow
Making every journey better

Noise monitoring strategy

There are two core elements to the monitoring strategy:

- PART 1 - The permanent deployment plan
 - 33 units available in total
- PART 2 - The mobile deployment process
 - Approx. 30 units available in total

PART 1 - Permanent noise monitors

What are we planning to do?

- Replace existing monitors currently in place to monitor departure noise limits with new ones (15 – including 3 new locations that are being put in place for 09L departures)
- Deploy additional monitors in new locations (18)

Why are we expanding the permanent monitoring network?

- To enable us to verify and improve our noise modelling
- To better understand the noise climate at a range of different locations around Heathrow
- To help build community stakeholder confidence in noise data & modelling outputs
- To increase transparency

Where to locate the new permanent monitors

- In selecting potential areas to locate a permanent monitor we have the following principles in mind:
 - To balance between locations to the east and west (and north south) of the airport.
 - To balance locations by arrivals and/or departures and their potential to capture on airport ground noise sources
 - To capture both overhead and sideline measurements
 - To balance locations across a mix of high, medium and low noise exposure areas

As part of discussions at the WG the following balance of locations was proposed

	Total	High noise exp.	Medium noise exp.	Low noise exp.	0-2000ft	2000-4000ft	4000ft-6000ft	Above 6000ft
W'ly arrivals	13	4	4	5	11	1	0	1
W'ly departures	16	5	2	9	7	3	3	3
E'ly arrivals	12	5	2	5	6	3	1	2
E'ly departures	17	3	3	11	9	4	2	2
Potential for ground noise monitoring	18	-	-	-	-	-	-	-

Question for CNF :

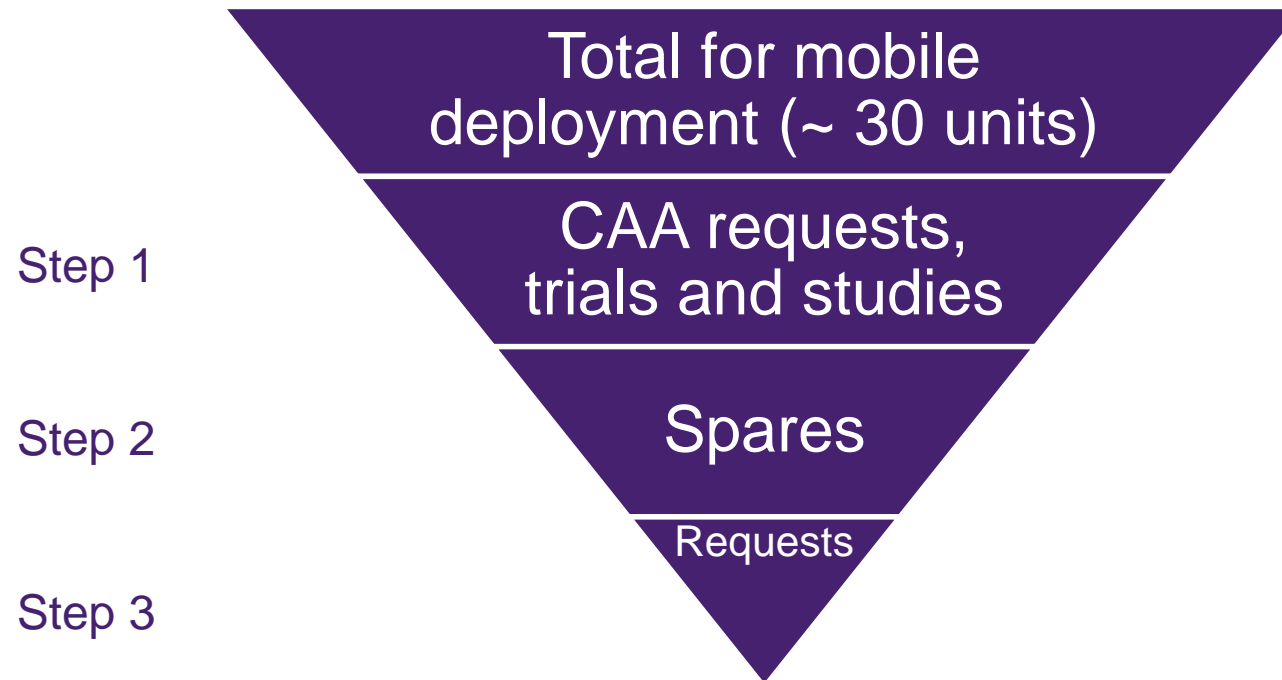
Does this appear to strike the right mix of locations?

PART 2 - Mobile deployment process

Aims

- Support noise model verification
- Support trials and studies
- Respond to community stakeholder requests
- Enhance our understanding and knowledge of noise exposure in a range of different locations.

Mobile deployment prioritisation



Mobile request deployment process

