

Appendix E – Evolution of Design Principles

	Proposed Design Principle	Origin	Outcome	Final Design Principle
1	Must be safe	CAP1616	Taken forward	Must be safe
2	Must reduce the noise footprint of Heathrow's arrivals by enabling aircraft to stay higher for longer	Trial Summary Appendix B, page 40	Re-worded following Stakeholder feedback	Must achieve the objective of reducing noise compared to a 3.0 approach
3	Must not increase the number of go-arounds	Trial Summary Appendix B, page 40	Taken forward	Must not increase the number of go-arounds
4	Must not reduce Heathrow's capacity	Heathrow Airport	Taken forward	Must not reduce Heathrow's capacity
5	Should not reduce the ability of arrivals to perform Continuous Descent Approach	Trial Summary Appendix B, page 40	Taken forward	Should not reduce the ability of arrivals to perform Continuous Descent Approach
6	Should maximise the number of aircraft able to fly the slightly steeper approach	Trial Summary Appendix B, page 40	Taken forward	Should maximise the number of aircraft able to fly the slightly steeper approach
7	Should not adversely increase pilot or air traffic workload	Trial Summary Appendix B, page 40	Taken forward	Should not adversely increase pilot or air traffic workload
8	Should not change the lateral tracks of aircraft on the ground	Heathrow Airport	Taken forward	Should not change the lateral tracks of aircraft on the ground
9	Should not adversely impact existing or planned deployments of technology and other airspace designs (such as IPA, eTBS etc)	NATS	Not taken forward	NATS agreed this would be down to future projects to take into consideration
10	No one currently not overflown by landing aircraft should be overflown as a result of this change	HCNF (Elmbridge Representative)	Not taken forward separately as already covered by Design Principle 8	Should not change the lateral tracks of aircraft on the ground
11	The noise impact must be less than on a 3° approach throughout the landing approach	Richmond Heathrow Campaign	Re-worded and taken forward as Design Principle 2	Must achieve the objective of reducing noise compared to a 3.0 approach
12	Aim to reduce the noise footprint of each individual flight arriving at Heathrow	Windlesham Society	Re-worded and taken forward as Design Principle 2	Must achieve the objective of reducing noise compared to a 3.0 approach