

Design Principle	
1 <sup>2</sup>	Route 4 options will be designed safely with full regulatory compliance
2	Designs should be built to facilitate dispersion below 7000ft
3	New Route 4 designs options should give due regard to the historic routings in use prior to the introduction of RNAV routes in 2012
4	Route 4 designs should seek to minimise the adverse impact of noise on previously unaffected populations and seek to reduce the total number of people overflown
5	Designs should seek to minimise the impact of noise on particularly sensitive areas
6	Route 4 designs should enable transition to a vertical profile that allows an efficient, and potentially faster, climb to higher altitudes
7	Designs that seek to provide respite should not overfly previously unaffected populations
8	Route 4 designs should not be constrained by the existing NPR to 4000ft

Table 1 - Final Shortlisted Design Principles