

Question 11 [HAL New B5; Q9 revised to include the last sentence in italics]	Confidential
Respondents a) Specific: HAL b) Other:	
<b>Question</b> How quickly would Heathrow with the proposed third runway reach its stated capacity of 740 000 aircraft movements (ATMs) per year? In view of the resilience difficulties at Heathrow with 480 000 ATMs (a problem not identified at the Terminal Five Public Inquiry), how much resilience would there be with 740 000 ATMs? <i>If the desired resilience can only be achieved with fewer than 740,000 ATMs what would be this lesser number of ATMs and in what year is that expected to be reached?</i>	
<b>Background</b>	
Template updated 15 Dec 14 PJW	

## HAL

After the third runway opens in 2025 we believe that the most likely scenario is an initial growth rate of 5% pa taking us to 570,000 movements in 2030 and then 2.5% p.a. thereafter, reaching 740,000 movements by 2040. Through our work with NATS (Heathrow) we have determined 740,000 movements per annum as the practical limit for operating three runways in modes designed to retain the principle of runway alternation (and therefore periods of relief from over-flight for local communities), whilst providing an appropriately resilient operation.

As air traffic management improves (e.g. GBAS and Time Based Separation) and ground traffic management continues to improve and become more efficient (e.g. ACDM, APOC and other real-time decision making processes), resilience to the impact of adverse weather on the operation will improve, the number of “red” days will diminish and our ability to recover from disruption will also be enhanced. For all these reasons we believe (and NATS endorse) that 740,000 movements is a robust planning assumption for an appropriately resilient operation.