



ANMAC Departure noise update

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20th September 2017

ANMAC Departure Noise Technical Working Group

- Provides technical advice to government on departure noise limits at the London designated airports
- But Terms of Reference kept broad:
 1. Conduct a review of the existing policy objectives and desired outcomes from a departure noise management regime in order to establish the criteria against which any revised proposals can be assessed. If appropriate, additional or alternative outcomes will be added to the criteria.
 2. Carry out a systematic review of the current departure noise abatement and monitoring procedures to understand how they help achieve the required outcomes.

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- TORs continued:
 3. Without prejudice to the review of current procedures, assess the change in infringement rates for an increase in stringency of the current noise limits at Heathrow, Gatwick and Stansted. The current policy of applying uniform noise limits across the three airports should also be reviewed.
 4. On the basis of findings from these investigations, assess the potential for operational changes to mitigate any significant increase in infringement rate for aircraft of similar types.
 5. Assess the possible impacts of operational changes in terms of noise, emissions and any other significant factors.

- The Technical Working Group should report their findings back to ANMAC

Key topic areas (1)

- Review of the current departure noise controls:
 - Noise limits at fixed monitors 6.5km from start of take-off roll
 - At least 1,000 ft overhead a noise monitor
 - Progressively reducing noise levels beyond 6.5km
 - To maintain a climb gradient of not less than 4% between 1,000 feet and 4,000 feet
- Departure climb gradients
 - Definitions
 - Climb gradient requirements at other international hub airports and adherence to published requirements
 - Aircraft heights over time

Key topic areas (2)

- Options to reduce departure noise
 - Technology
 - Operational procedure, including NADP 1 vs 2
 - Ground track ?
 - Assessment & evaluation:
 - Effects on noise levels
 - Effects on event duration
 - Quantification of noise impacts
 - Effects on other environmental factors, i.e. local air quality and greenhouse gas (CO₂) emissions