

NACF 26 NOVEMBER 2025

HEATHROW NOISE ACTION PLAN

Heathrow



OUR JOURNEY TO

QUIETER

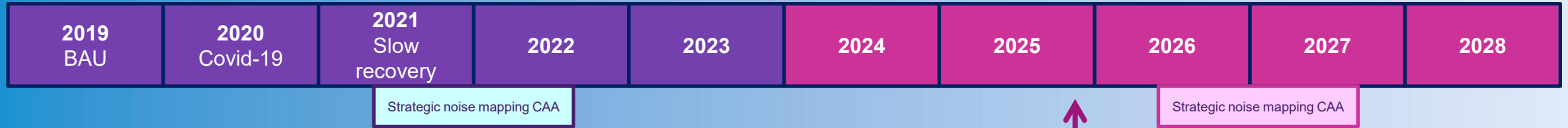
CONTENT

- **NAP 5-YEAR CYCLE & HEATHROW 2.0**
- **12 COMMITMENTS : THE KEY ACTIONS**
- **NAP KPIs & RESULTS**
- **NAP AUDIT**

NAP 5-YEAR CYCLE

NAP 2019 – 2023

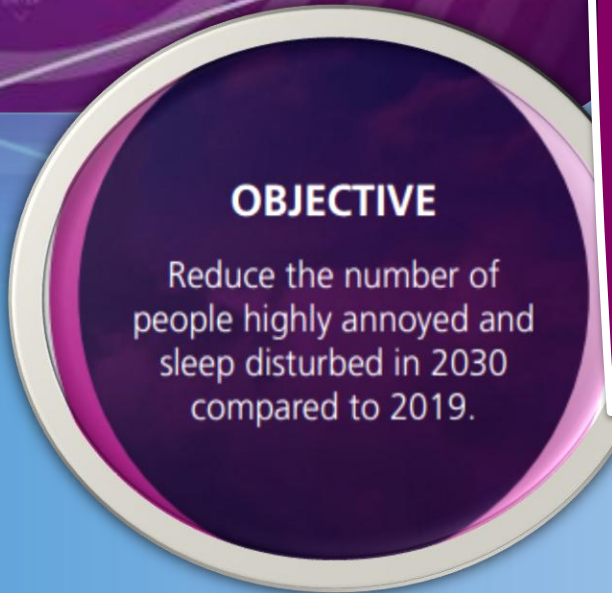
NAP 2024 – 2028



- Adopted by DEFRA in October 2024
- Started to deliver the NAP from 1 January 2024
- 2021 Strategic noise maps replaced by the year that better reflects the situation for Round 4, namely 2019
- Reviewed and revised the Round 3 NAP in line with DfT & H2.0 objectives and desired outcomes
- Stakeholder engagement, including NACF, key feature in the new NAP



HEATHROW NAP ALIGNMENT WITH HEATHROW 2.0.



- Reduce annoyance (Lden 55 dB) and sleep disturbance (Lnight 50 dB) by 10% compared to 2019 (2030)
- Introduce Easterly Alternation by 2028
- Implement a voluntary ban on flights between 00:00 and 04:30 from 2025 (except for dispensed operations)
- Incentivise the use of Chapter 14 aircraft to reduce Chapter 4 operations to below 2019 levels
- Ensure at least 150 nights without late running aircraft (between 23:30 and 04:30) from 2025
- Achieve 80% take-up of eligible households in each area as the Residential Insulation Scheme (RIS) is rolled out, in line with the plan agreed with the Prioritisation Panel

HEATHROW NAP 12 COMMITMENTS : KEY ACTIONS

- 1) Establish Fleet Forecasting Forum (FFF)
- 2) Incentivise adoption of quieter fleet

QUIETER PLANES



- 3) Establish Technical Engagement Forum (TEF)
- 4) Easterly Alternation
- 5) Enhance collection and analysis of operational data

QUIETER PROCEDURES



- 6) Share forecast contour outputs with LAs
- 7) Launch new Quieter Neighbourhood Support programme

LAND USE PLANNING AND MITIGATION



- 8) Seek voluntary ban on non-dispersed operations 00:00 - 04:30

OPERATING RESTRICTIONS



- 9) Develop Ground Noise Management Plan (GNMP)
- 10) Establish noise attitude research for Heathrow

RESEARCH



- 11) Strengthen independent scrutiny of noise management through CISHA
- 12) Review our online information tools

WORKING WITH COMMUNITIES

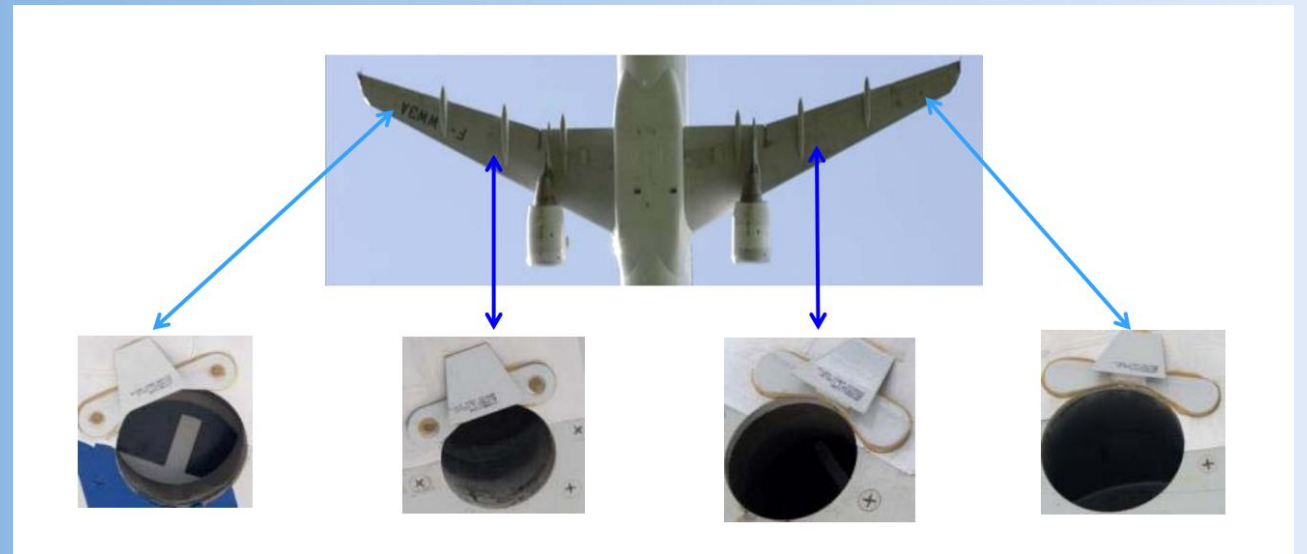
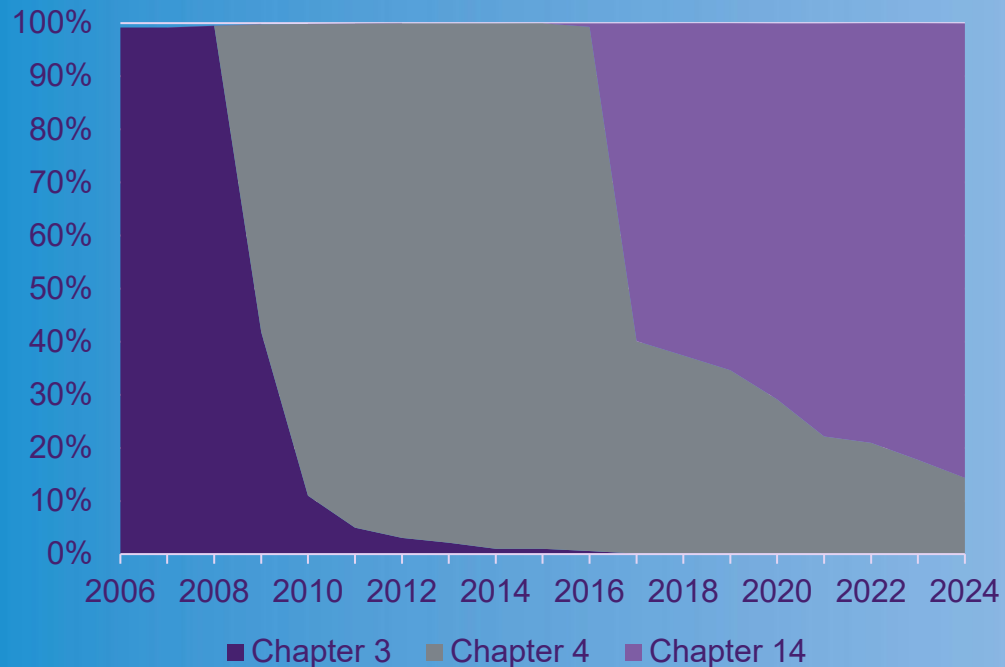


QUIETER PLANES

- Established Fleet Forecasting Forum
- Continue to review fleet technology improvements
- Reviewed noise charges in Conditions of Use
- Improved data on vortex deflectors

- 1) Establish Fleet Forecasting Forum (FFF)
- 2) Incentivise adoption of quieter fleet

**QUIETER
PLANES**



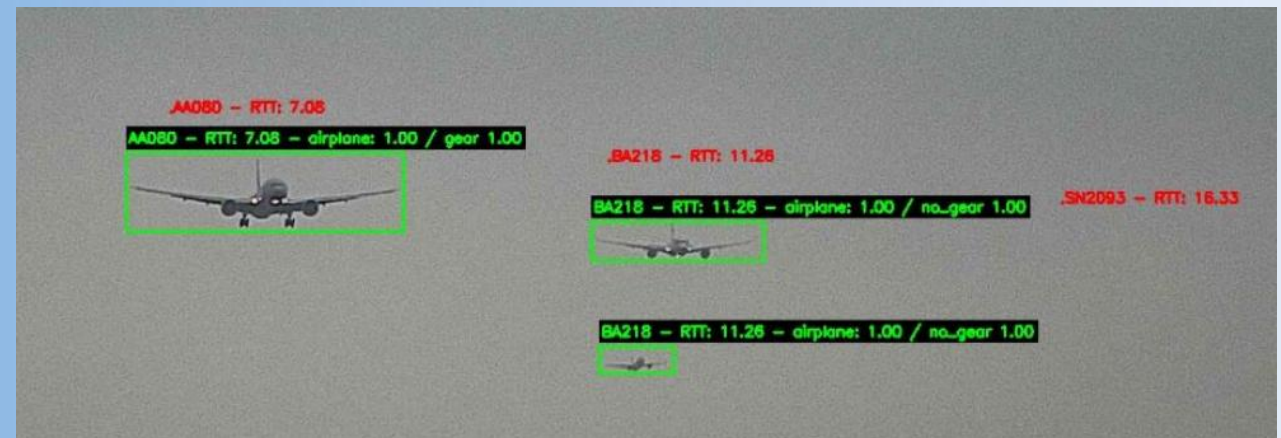
Heathrow

QUIETER PROCEDURES

- Established TEF and Terms of Reference
- TEF Work Plan agreed with airlines, NATS and OEMs
- Linking airlines performance from Fly Quieter and Greener with TEF projects
- Enhancing data extraction from ANOMS
- Landing Gear Observation Surveys
- Landing Gear Deployment Detection System trialled
- Fly Quieter and Greener upgraded

- 3) Establish Technical Engagement Forum (TEF)
- 4) Easterly Alternation
- 5) Enhance collection and analysis of operational data

QUIETER PROCEDURES

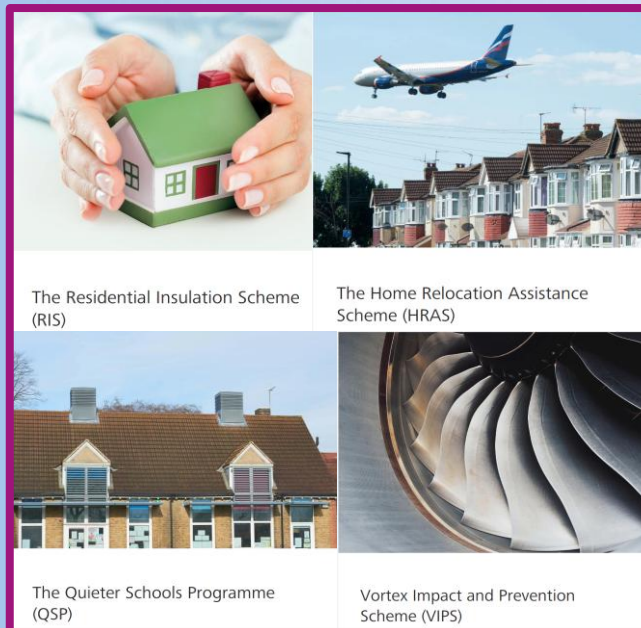


LAND USE PLANNING AND MITIGATION

- Draft MoU on Land Use Planning shared with HSPG members
- Workshop held to identify needs and requests
- Launched new Quieter Neighbourhood Support programme in 2024
 - 73% participation, 43% completion EOY 2024
- Established Prioritisation Panel & independent chair to review scheme implementation and progress

- 6) Share forecast contour outputs with LAs
- 7) Launch new Quieter Neighbourhood Support programme

LAND USE PLANNING AND MITIGATION

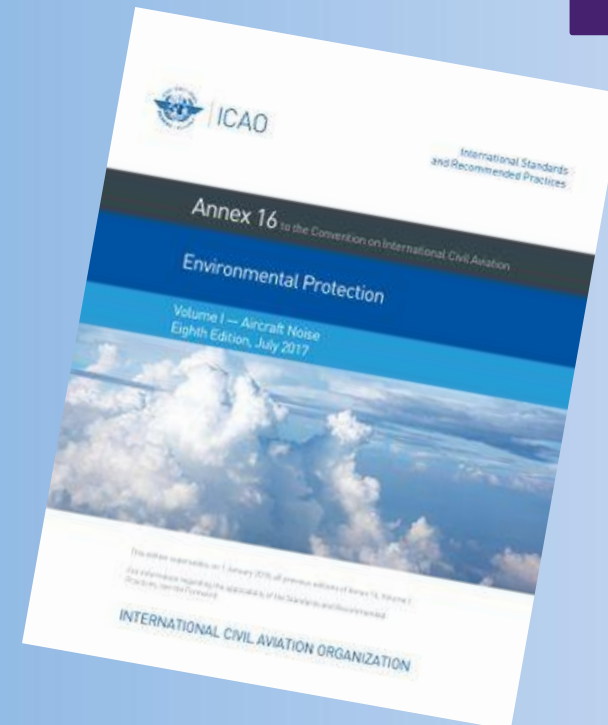


OPERATING RESTRICTIONS

- Conditions of Use adapted to financially disincentivise Chapter 3 aircraft movements
- List of airlines operating Chapter 3 aircraft published on our website
- Focus on nights without late running aircraft (23:30 – 04:30)

8) Seek voluntary ban on non-dispersed operations 00:00 – 04:30

**OPERATING
RESTRICTIONS**

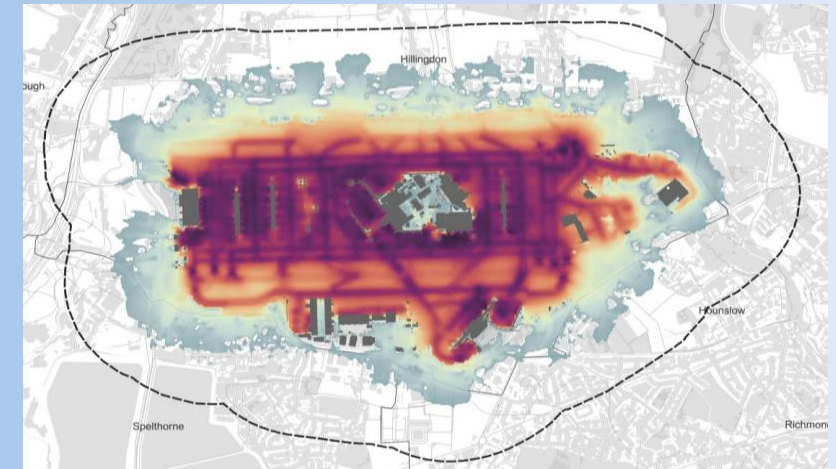


RESEARCH

- Started development of Ground Noise Management Plan;
 - Briefed NACF
 - Undertaken airside investigations onto range of noise sources
- Started developing proposal for Heathrow Noise Attitudes Research project
- Commissioned independent academic research into the effectiveness of the noise insulation programme on sleep disturbance, annoyance, cognitive development and perceived quality of life

- 9) Develop Ground Noise Management Plan (GNMP)
- 10) Establish noise attitude research for Heathrow

RESEARCH



WORKING WITH COMMUNITIES

- We will shortly be adding a new suite of tools called InsightFull, to our website to make noise-related information easier for residents to find and understand. This supports our commitment to clear, accessible communication.
- As was shared in the last NACF, we are launching The Community Engagement Review and Redesign Project in January next year with an independent supplier. Its purpose is to:
 - Benchmark best practice from other industries and report on it in the first quarter.
 - Pilot new engagement activities, such as citizens' juries and collaborative workshops, to reach a broader population.
 - Produce a final report in Quarter 2 2027 evaluating the impact of new engagement activities and providing a roadmap for ongoing inclusive practice.
- NAP Auditor now undertaking review of progress (see below)

11) Strengthen independent scrutiny of noise management through CISHA

12) Review our online information tools

**WORKING
WITH
COMMUNITIES**



HEATHROW NAP 12 KPI – CURRENT RESULTS

Overall Outcome	KPI 1	Reduce HA / HSD - No. of people within 50 dB Lnight & 55 dB Lden (2019 vs 2030)
Delivery	KPI 2	The percentage of actions classified and verified by independent audit as on track
Quieter Planes	KPI 3	Reduce Chapter 3 and 4 aircraft in fleet
	KPI 4	Reduce QC of aircraft operating at night
	KPI 5	Increase percentage of A320s with vortex deflector
Quieter Procedures	KPI 6	The percentage of departures remaining within the Noise Preferential Route (NPR) below 4000ft
	KPI 7	The percentage of arriving aircraft following a Continuous Descent Approach (CDA) below 7000ft
	KPI 8	The percentage of arrivals landing out of alternation during westerly operations.
Land Use Planning	KPI 9	The annual percentage of residential take up of eligible properties within the active phase of the Residential Insulation Scheme (RIS).
	KPI 10	Percentage of residents being satisfied or highly satisfied following installation of acoustic treatment under the RIS.
	KPI 11	Percentage change in new households within the contour bands above 55 dB Lden and 50 dB Lnight
Operating Restrictions	KPI 12	Increase the number of occasions without flights in the period 23:30 to 04:30 and 23:45 to 04:30 compared with 2019.

HEATHROW NAP 12 KPI – CURRENT RESULTS

ASPECT	KPI No.	Metrics	Baseline (2019)	2024				
				Q1	Q2	Q3	Q4	
OVERALL OUTCOME	1	55 dBA Lden	Area km2	176.2	154.1			
			Population ('000) [ONS data]	664.3	618.2			
			Houses ('000)	268.4	250.4			
		50 dBA Lnight	Area km2	72.2	66.1			
			Population ('000) [ONS data]	228.5	223.7			
			Houses ('000)	86.5	84.8			
DELIVERY	2	% of on track/completed actions		N/A	24%	44%	62%	78%
QUIETER PLANES	3	% fleet mix within Chapter 3		0.1%	0.01%			
		% fleet mix within Chapter 4		34.5%	14.34%			
		% fleet mix within Chapter 14		65.4%	85.63%			
	4	Average QC	Night (2300-0700)	0.94263468	0.824377229			
			Night quota (2330-0600)	0.899353521	0.774400171			
5	% A320 fitted with vortex deflector			90.92%				

HEATHROW NAP 12 KPI – CURRENT RESULTS

ASPECT	KPI No.	Metrics		Baseline (2019)	2024			
					Q1	Q2	Q3	Q4
QUIETER PROCEDURES	6	% of departures within NPR (based on YTD values from monthly reports)		96.39%	96.15 %	95.62 %	95.53 %	95.39 %
	7	% of arrivals following CDA (based on YTD values from monthly reports)		89.93%	86.10 %	87.34 %	88.01 %	88.23 %
	8	% of arrivals landing out of alternation during westerly ops (from Airspace Noise and ATM Annual Report)		4.55%	6.79%			
LAND USE PLANNING & MITIGATION	9	% take up of RIS		N/A	43%			
	10	% satisfied / highly satisfied with RIS		N/A	TBC			
	11	55 dBA Lden	% change in new households in contour area	N/A	10%			
		50 dBA Lnight	% change in new households in contour area	N/A	8%			
OPERATING RESTRICTIONS	12	No. of periods without flights	23:30 - 04:30	119	189			
			23:45 - 04:30	173	243			
			00:00 - 04:30	219	287			
		No. of periods with no non-dispensed flights	23:30 - 04:30	140	232			
			23:45 - 04:30	190	283			
			00:00 - 04:30	240	322			

HEATHROW NAP AUDIT – CURRENTLY ONGOING

- ✓ **CISHA has selected 10 NAP ACTIONS**
- ✓ **Independent auditor will select 5 NAP ACTIONS**
- ✓ **We will report the independent audit results at the next NACF**

Heathrow