

# NOISE ACTION PLAN 2024 – 2028

CONSULTATION INFORMATION EVENT

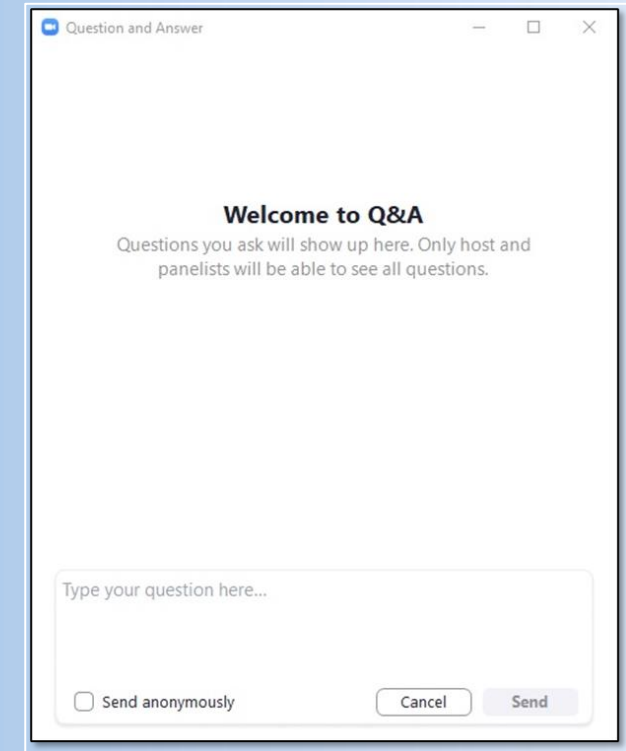
# Heathrow



OUR JOURNEY TO  
**QUIETER**

JUNE 2023

# TAKING PART IN TODAY'S EVENT



If you're having technical issues, please let us know using the chat box

You can ask questions in writing at any time by using the Q&A box – they will be answered by the team at the end of the presentation

# TAKING PART IN TODAY'S EVENT


- Questions and comments will be unattributed – please let us know in the question if you are happy for us to say who the question is from
- The session will be recorded and the recording made available on the website
- Further to this webinar you can submit any further views and comments you have in writing / email or by using the online form on our website
- Deadline for receipt of all feedback to this consultation is **Monday 17<sup>th</sup> July 2023**
- Online Community Information Event: 15<sup>th</sup> June at 5pm
- In person 'Meet the Team' events – 24<sup>th</sup> and 6<sup>th</sup> July at Heathrow Academy ([www.heathrow.com/quieter](http://www.heathrow.com/quieter))

# INTRODUCTIONS

- **Rick Norman** – Head of Noise Strategy
- **Pierre Sohier** – Sustainability & Environment Technical Manager

# OUR PRESENTATION TODAY

1. Legal framework
2. ICAO Balanced approach
3. Heathrow Noise management framework
4. Data Trends
5. Description of NAP process
6. Developing a draft - 5 years cycle / NOW
7. Heathrow Noise Key Actions proposal
8. What we are expecting from the public
9. Feedback form
10. Questions



**Find out more about our plan to reduce noise**

**Have your say on our proposals at [www.heathrow.com/quieter](http://www.heathrow.com/quieter)**

**Heathrow is committed to being a quieter airport, across everything we do.**

We are continually looking at how we can reduce noise from aircraft taking off and landing, and from our operations on the ground.

A great deal of progress has been made, and we plan to become even quieter.

How we would like to reduce noise has been set out in our proposed **Noise Action Plan 2024-2028**, and we would like to have your views on it before it is put into action.

Please do visit our consultation website to understand more about our plans to become quieter and learn about how you can take part in our consultation.



If you would like to get in touch with us about the consultation, please contact us:

Email: [quieter@heathrow.com](mailto:quieter@heathrow.com)

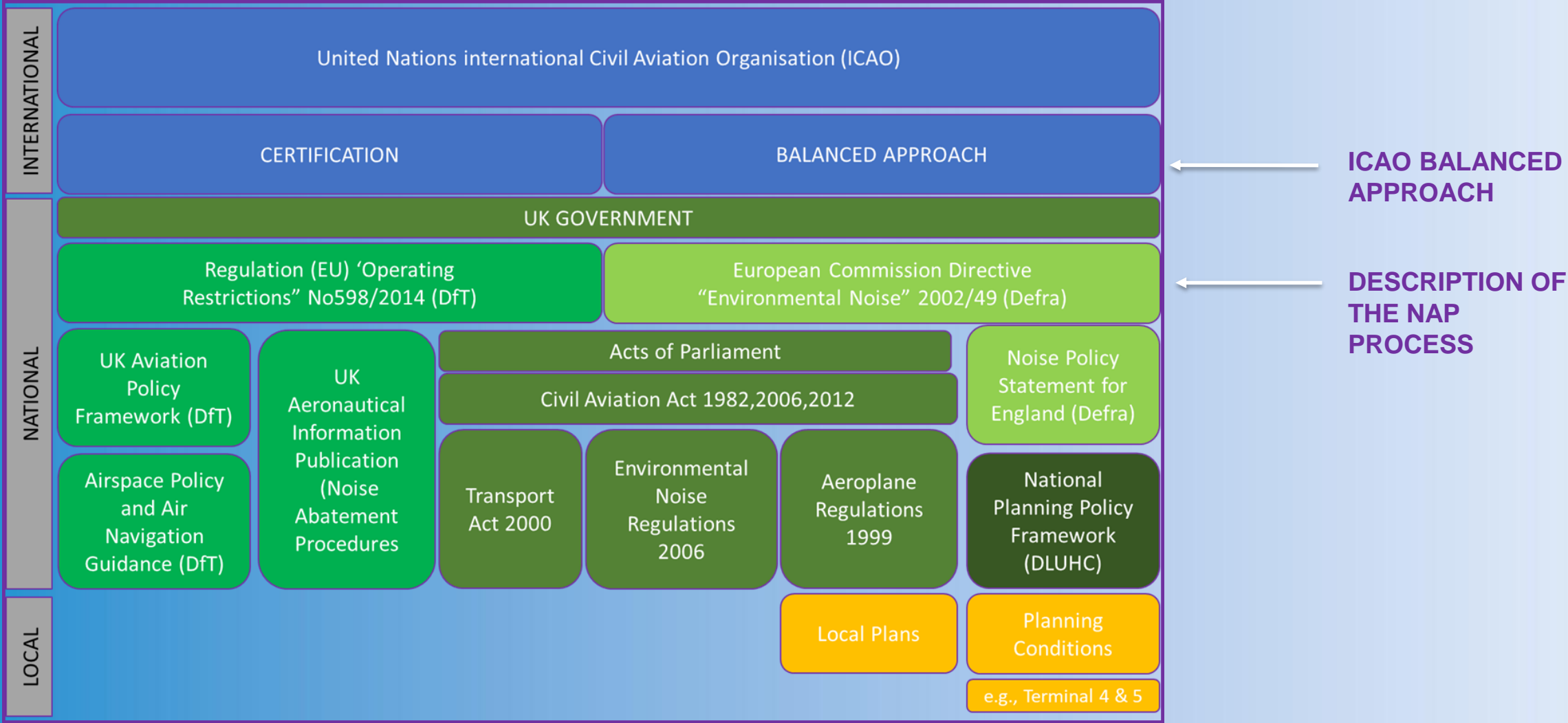
Phone: **0800 344844**

Visit: [www.heathrow.com/quieter](http://www.heathrow.com/quieter)

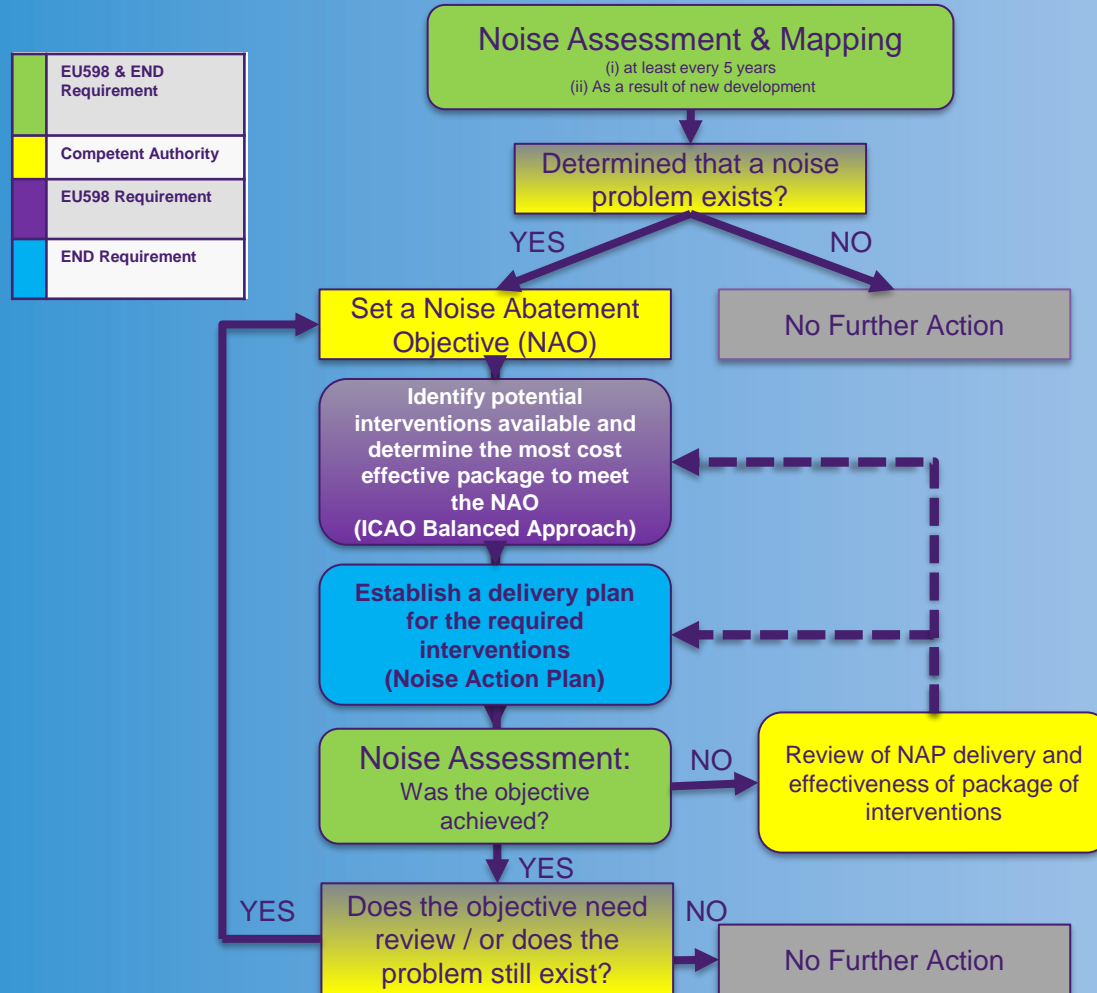
Scan to have your say



# 1 – LEGAL FRAMEWORK



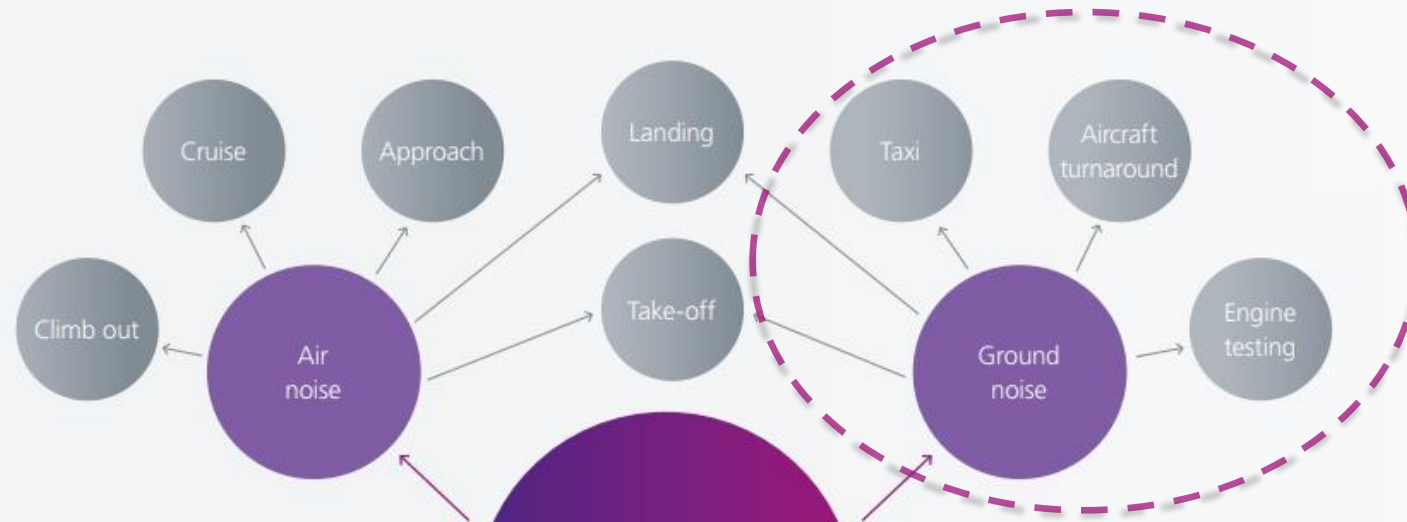
# 2 – ICAO BALANCED APPROACH



High Level schematic of Interaction between END (the Noise Action Planning Requirements) and EU598 (Application of the ICAO Balanced Approach) with setting a NAO (Noise Abatement Objective)



# 3 – HEATHROW NOISE MANAGEMENT FRAMEWORK



## SOURCES

## MANAGEMENT

- Variable landing charges
- Fly Quiet and Green
- Voluntary agreements

- Fly Quiet and Green
- Noise abatement procedures
- Preferential runway use
- Ground noise management plan



- Residential Insulation Scheme
- School and Community



- Movement Cap
- Night restrictions
- Quiet Night Charter



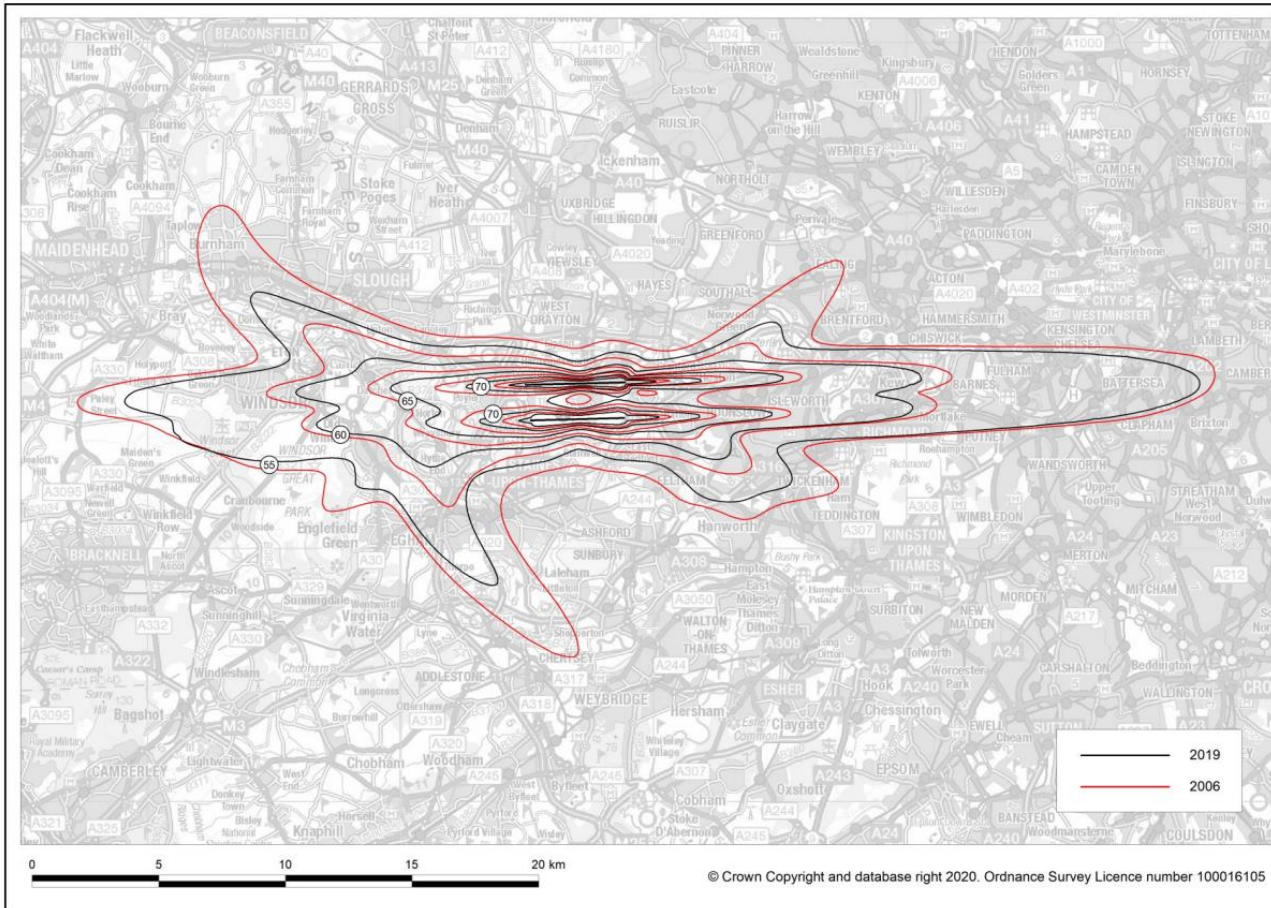
- Engagement forums
- Monitoring and reporting
- Accessible information on websites
- Industry groups

- Building Insulation Scheme
- Local planning conditions and encroachment

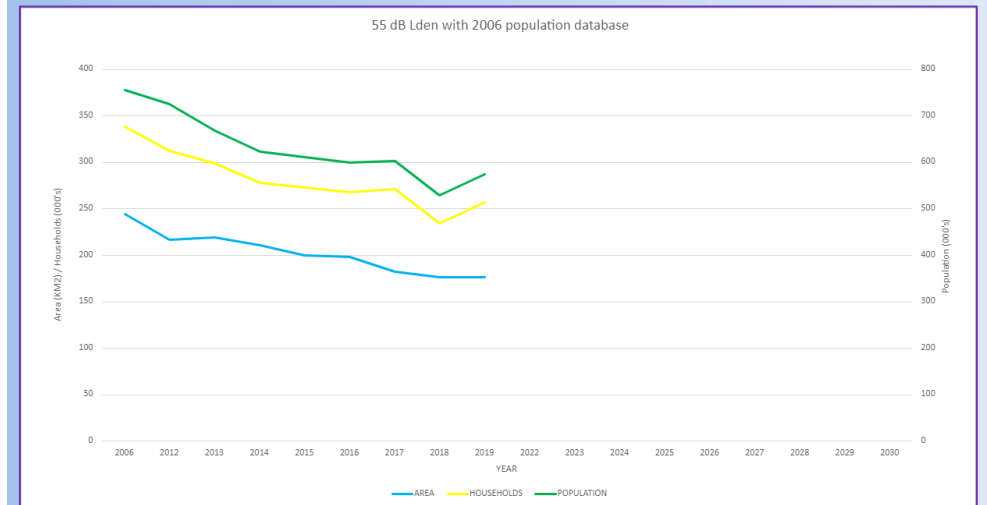
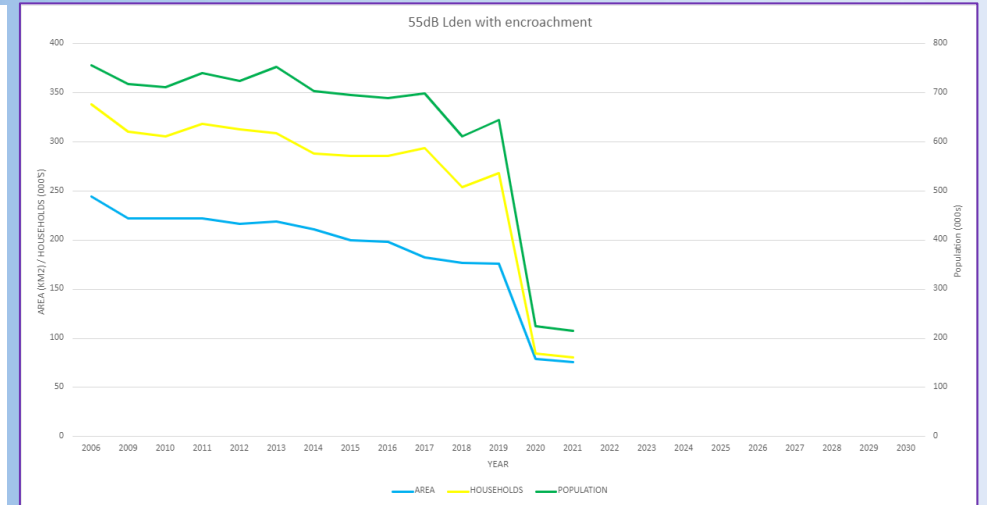


# 4 – DATA TRENDS – POPULATION WITHIN THE 55dB L<sub>den</sub> CONTOUR

Figure B25 Heathrow 2019 and 2006 L<sub>den</sub> noise contours (assuming 2006 runway modal split and 2006 N-S runway usage)



Note: 2006 L<sub>den</sub> modal split was 70% W / 30% E.



Because of the actions taken under previous action plans the size of the noise contour has reduced, resulting in less people being exposed to levels above 55dB L<sub>den</sub>. Population growth and new household development have reduced the impact of the noise reductions over that time period.

# 5 – DESCRIPTION OF THE NAP PROCESS

## Overview of DEFRA requirements for NAP (Environmental Noise Regulations 2006/2238)

- Airport description covering noise sources, authority, legal context  
Summary of noise mapping for 2021 [with 2019]
- Evaluation of number of people exposed, problems and situation to be improved
- Record on consultations
- Noise reduction measures – current and in preparation
- 5-year action plan and long term strategy
- Financial information
- Provisions for evaluation of implementation and results of the NAP



Department  
for Environment  
Food & Rural Affairs

### **Airport Noise Action Plans**

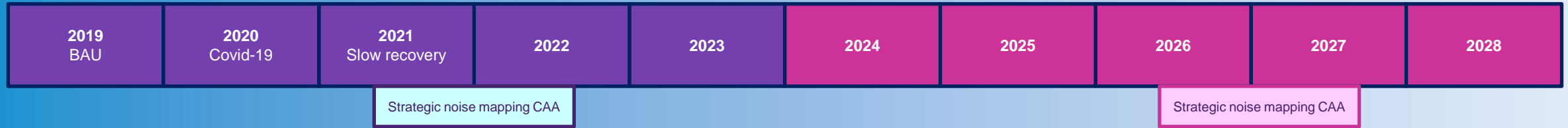
**Guidance for Airport Operators on how to revise  
Noise Action Plans under the Environmental  
Noise (England) Regulations 2006 (as amended)**

September 2022

# 6 – DEVELOPING A DRAFT – 5 YEAR CYCLE

NAP 2019 – 2023

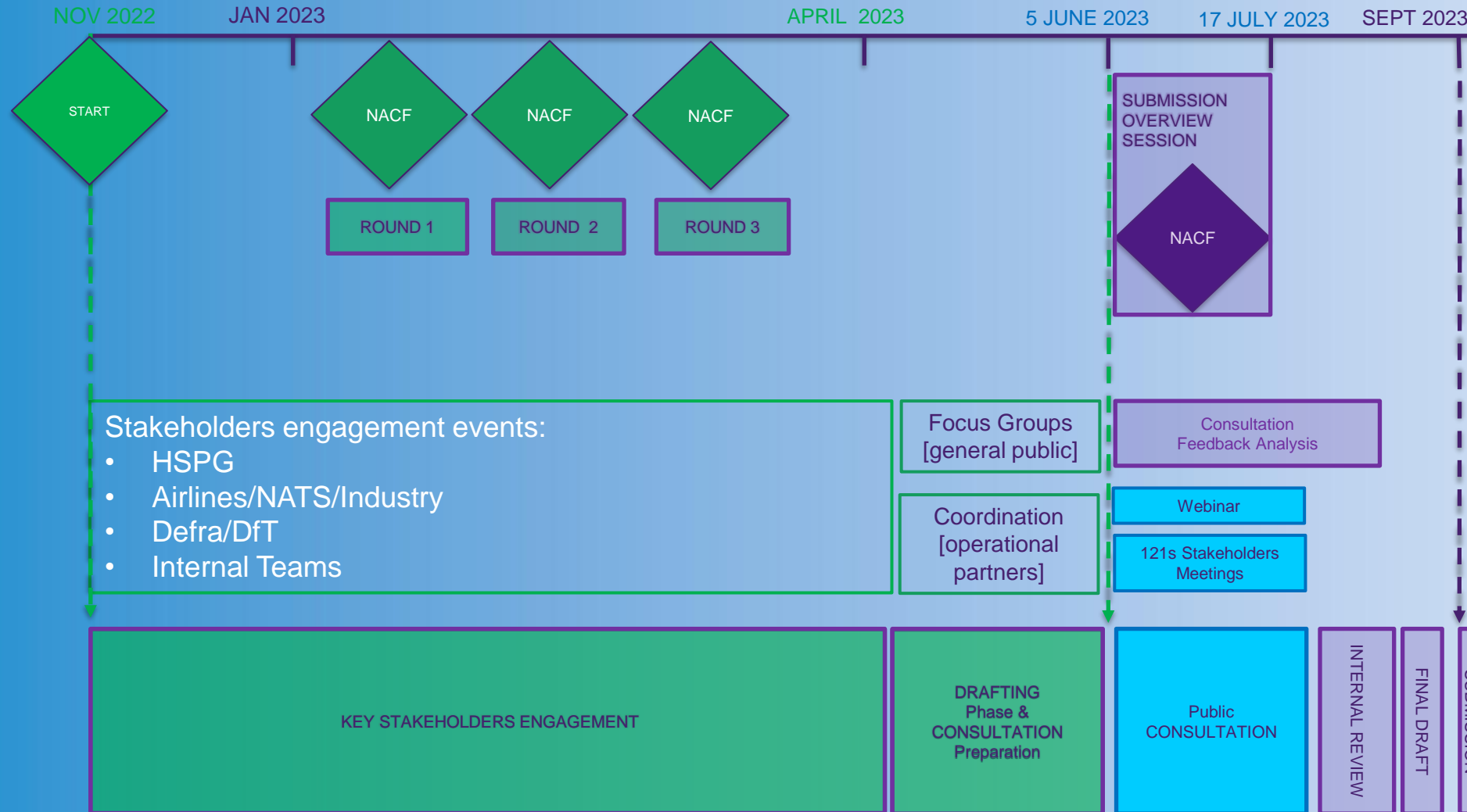
NAP 2024 – 2028



- Continue to deliver the current NAP until 31 December 2023
- Review DfT & H2.0 objectives and desired outcomes
- Forecast 2026 contours
- Review 2021 Strategic noise maps or the year that better reflects the situation for the Round 4, namely 2019
- Engage on new plan with stakeholders, including NACF
- Public Consultation
- Review and revise the R3 NAP -> R4 NAP
- Submit for adoption to DEFRA in September 2023
- Publish in January 2024



# 6 – DEVELOPING A DRAFT – WHERE WE ARE TODAY



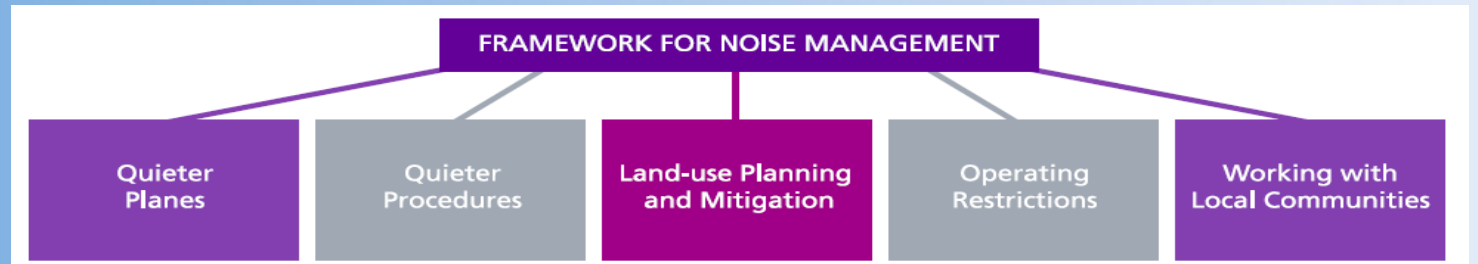


# HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS



# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

## Responsible Business Actions



### BUSINESS-AS-USUAL ACTIVITIES UNDERPINNING OUR NOISE MANAGEMENT STRATEGY

Annual Noise Action Plan Review against Government Policy

Alignment with Heathrow 2.0 goals

Annual Review of Landing Charge differentials

Compliance with DfT Night Restrictions

Compliance with Planning Conditions (e.g. 480,000 movement cap)

Compliance Monitoring of AIP noise abatement requirements

Internal audit and process reviews

Benchmarking

International engagement on noise issues

# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

Quieter  
Planes

**Key Action 1: Establish a Fleet Forecasting Forum (FFF) with input from the aircraft manufacturers, our top 10 airlines by movement and technical experts to predict the pace of future technology and likely take up at Heathrow.**

Fleet forecasting

Chapter 3 and 4 phasing out

Broad Representation

**Key Action 2: Review the landing charges structure in order to meet our sustainable growth objectives and through the FFF identify opportunities to evidence and incentivise the accelerated adoption of new technology at Heathrow with the aim of accelerating the transition to a Chapter 4 free fleet before 2045.**

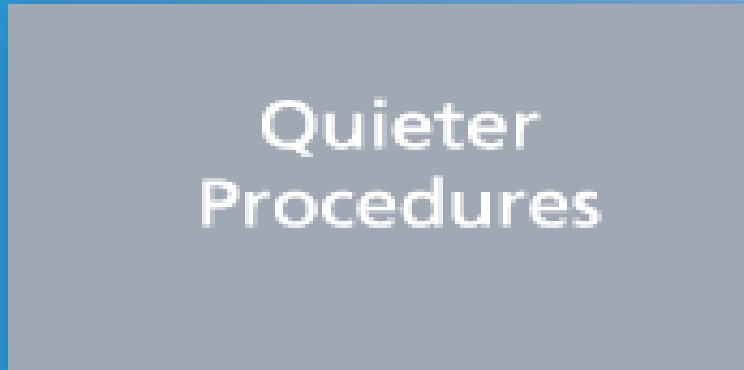
New Aircraft Noise Studies

A320 deflector tracking

Chapter 3 League Table



# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS



**Key Action 3: Establish a Technical Engagement Forum (TEF) with membership from the aircraft manufacturers, top 10 airlines, NATS and Operations to undertake a review and renewal of the arrivals, departures and ground operations Code of Practice by 2026 aimed at supporting the achievement of the noise abatement objective.**

Code of Practice Review

Quiet Night Charter to support Night Noise & DfT Policy Objectives

Fly Quiet & Green League Table

Airline Noise Pack

NAPD1&2 Study and departure rate of climb Review

Survey Standard Operating Procedures

TEAM compliance

Improved Reduced Engine Taxiing monitoring

Raise the CDA monitoring level

Promote use of Slightly Steeper Approaches

Review Departure Noise Limits

**Key Action 4: We will develop, and trial operational practices aimed at increasing the level of predictable respite, particularly at night. This will include the implementation of easterly alternation during the daytime.**

Preferential Night Routes

Pre 0600 respite trial

Introduce easterly alternation

Limit APU usage

**Key Action 5: We will identify opportunities to enhance the collection and analysis of operational and noise data in order to improve our understanding of the effectiveness of the noise abatement interventions in the AIP and identified by the TEF.**

Landing Gear Deployment Monitoring

Summer Landing Gear Data Collection

Enhance our NTK System

Ground Noise Management Plan

# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

## Land-use Planning and Mitigation

**Key Action 6: We will establish a MoU with Local Authorities, providing our forecast outputs, including aircraft type scheduling and operational performance, to collaboratively reduce night sleep disturbance, and supporting land use planning.**

Forecast Sharing with Local Authorities

**Key Action 7: Launch the new Noise Insulation Schemes in 2024 & through the Prioritisation Panel, agree the first phases of the residential insulation and schools ventilation.**

Track NIS through CISHA

Independent Chair Funding of Prioritisation Panel

# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

## Operating Restrictions

**Key Action 8: In line with our Heathrow 2.0 commitment, we will seek to introduce a voluntary ban on non-dispersed operations after 0000 and before 0430 from 2025.**

Increase nights without flights between 2330 and 0430

**Key Action 9: We will develop and implement a ground noise management plan which will include work with international partners to develop a Standard for the use of Pre- Conditioned Air where available.**

Revise our Operational Safety Instructions

# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

## Research

**Key Action 10: We will establish a longitudinal noise attitudes survey for Heathrow and continue to support and lobby for further research to enhance understanding of our stakeholders and the effectiveness of our noise strategy.**

Identify common areas of research interest

Noise Attitude Survey

Community Surveys

Quality of Life Indicators

Respite research

Focus Groups

Noise Insulation Research

# 7 – HEATHROW KEY NOISE ACTIONS DRAFT PROPOSALS

Working with Local Communities

**Key Action 11: We will strengthen the independent scrutiny of our noise management strategy through CISHA and continue to engage with stakeholders through a variety of Forums and provide independent insight, assurance, and transparency.**

Chair & Technical Advisor funding

Audit & Reporting

Modelling Report

NTK Systems Audit

**Key Action 12: We will undertake a review and enhance our online information and tools to improve accessibility and provide greater insight in a more efficient way.**

Complaint Data Analysis

Annual Noise Contour Reports

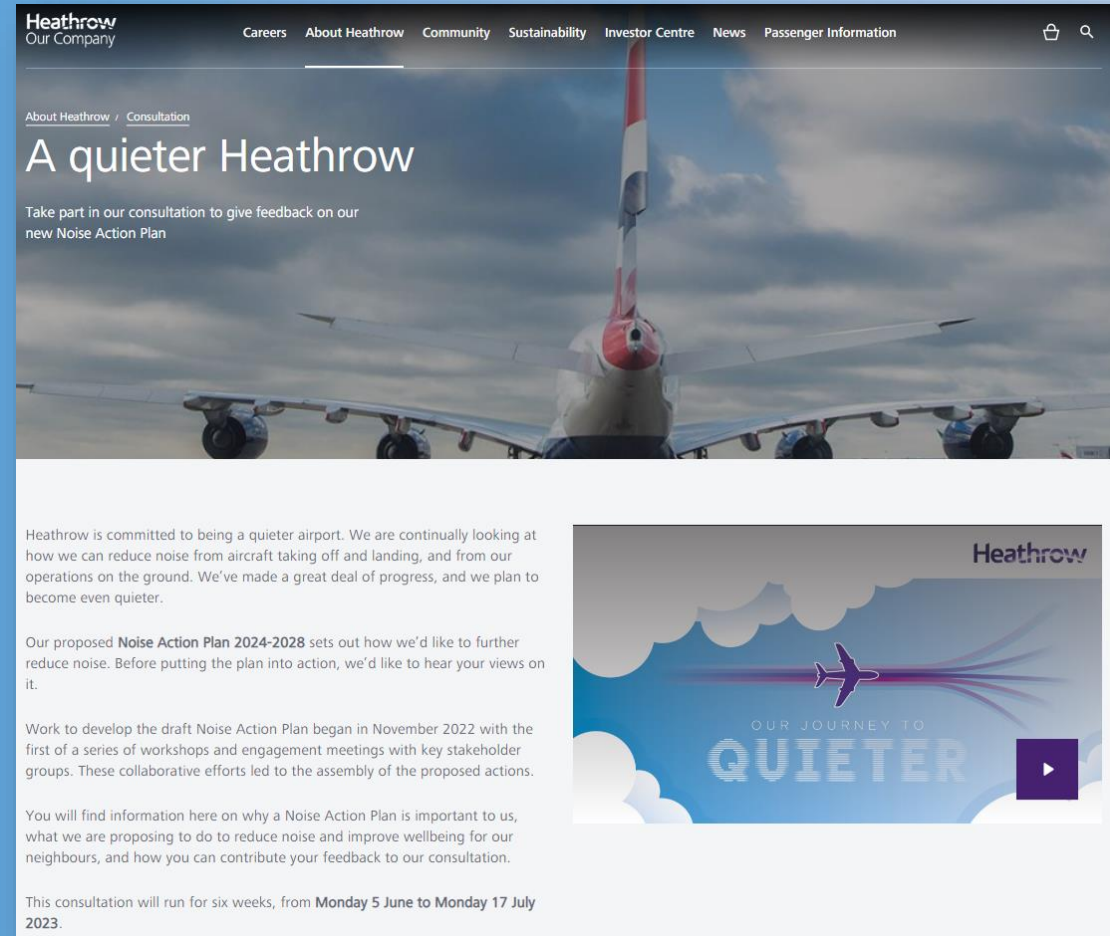
Consolidate Published Data

## 8 – WHAT WE ARE EXPECTING FROM THE PUBLIC



[www.heathrow.com/quieter](http://www.heathrow.com/quieter)

# 8 – WHAT WE ARE EXPECTING FROM THE PUBLIC



The screenshot shows the Heathrow website's 'A quieter Heathrow' consultation page. The page features a navigation bar with links for Careers, About Heathrow, Community, Sustainability, Investor Centre, News, and Passenger Information. The main heading is 'A quieter Heathrow' with a sub-heading 'Take part in our consultation to give feedback on our new Noise Action Plan'. The background image is a close-up of an aircraft's tail fin. Below the heading, there are four paragraphs of text explaining Heathrow's commitment to being a quieter airport, the proposed Noise Action Plan 2024-2028, the development process starting in November 2022, and the consultation dates from Monday 5 June to Monday 17 July 2023. On the right side, there is a video player with a play button and a thumbnail image showing an airplane flying through clouds with the text 'OUR JOURNEY TO QUIETER'.

Heathrow  
Our Company

Careers About Heathrow Community Sustainability Investor Centre News Passenger Information

About Heathrow / Consultation

## A quieter Heathrow

Take part in our consultation to give feedback on our new Noise Action Plan

Heathrow is committed to being a quieter airport. We are continually looking at how we can reduce noise from aircraft taking off and landing, and from our operations on the ground. We've made a great deal of progress, and we plan to become even quieter.

Our proposed **Noise Action Plan 2024-2028** sets out how we'd like to further reduce noise. Before putting the plan into action, we'd like to hear your views on it.

Work to develop the draft Noise Action Plan began in November 2022 with the first of a series of workshops and engagement meetings with key stakeholder groups. These collaborative efforts led to the assembly of the proposed actions.

You will find information here on why a Noise Action Plan is important to us, what we are proposing to do to reduce noise and improve wellbeing for our neighbours, and how you can contribute your feedback to our consultation.

This consultation will run for six weeks, from **Monday 5 June to Monday 17 July 2023**.

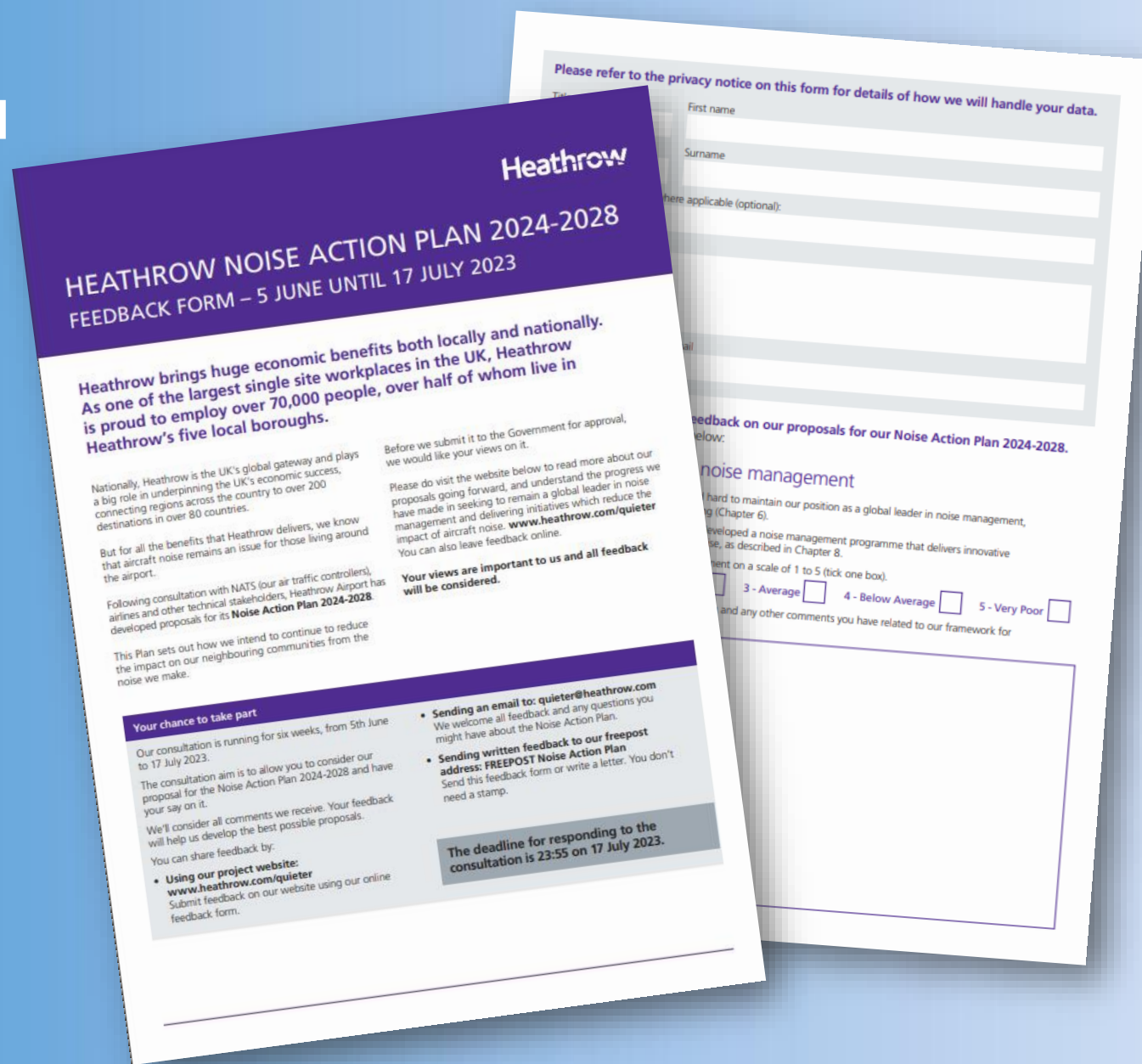
Heathrow

OUR JOURNEY TO QUIETER

[www.heathrow.com/quieter](http://www.heathrow.com/quieter)



# 9 – FEEDBACK FORM



[www.heathrow.com/quieter](http://www.heathrow.com/quieter)

## 10 – QUESTIONS

**Please use the Q&A function to put a question to our team**

**Thank you for attending**

**Heathrow**