



Heathrow Community Noise Forum November Working Group Update Summary

18th November 2016

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Working Group 1 : Monitoring & Verification

Progress Overview

Status Key	
	No Progress and no plan to continue
	Some progress made plan required to progress in 2017
	Significant progress made and plan in place to continue/complete work in 2017.
	Complete

G1 - To provide assurance about noise & track keeping data capture and interpretation		
Meetings		
Dates		
Gate analysis for historical trends		
Confirm gates for 2016		Historic gate analysis complete and sites for assessment during 2016 agreed. Data currently being retrieved and reports expected in circ 6 weeks for review and comment. 2017 selection carried over to next WG.
Agree outputs from 1st tranche		
Undertake 2016 analysis		
Review & agree outputs for 2016		
Agree 2017 gates		
New permanent noise monitors		
Secure funding for new monitors		Budget agreed for 50 new monitors to replace old kit and expand permanent locations from existing 12 to 30. Principles and outline plan agreed at WG
Agree potential locations		
Identify locations & deploy new monitors		
Mobile monitoring deployment strategy		
Agree 2016 locations		Deployment principles and process agreed within WG and subject to comment from main CNF in Nov 2016. Mobiles deployed in 2016 at requested locations.
Departure Profile deployment		
Agree 2017 locations		
A320 retrofit study		
Agree potential locations		Critical mass of retrofitted A320s not reached yet so plan has been deferred to review in 2017. Action rolled into 2017 subject to mobile monitor availability.
Secure temporary sites		
Deployment		
NLR Verification Report		
Review report		NLR Report commissioned and completed. Available on Heathrow website.
Publish report		
Standard reporting metrics		
Agree standard metrics for Heathrow Monitoring Reports		Template agreed and first report produced

WG1: Outputs of last meeting

- Finalised Community Noise Monitoring Template following feedback from HCNF.
- Agreed proposed principles and objectives for permanent noise monitor deployment strategy (*see attached WG output presentation titled “Noise Monitoring Strategy”*)
- Agreed mobile monitor deployment process (*see attached WG output presentation titled “Noise Monitoring Strategy”*)
- Confirmed status of 2016 gate analysis with 2 reports expected by the end of 2016.

Working Group 2 : Operational Procedures

Status Key	
	No Progress and no plan to continue
	Some progress made plan required to progress in 2017
	Significant progress made and plan in place to continue/complete work in 2017.
	Complete

Progress Overview

G2 - To understand operational procedures in greater detail being mindful of various trade offs whilst aiming to identify opportunities to reduce existing noise impacts.		
Meetings		
Dates		All held
Steeper Approach		
Review report		Report published and presented back to CNF and WG 2 in Sept 16. Available on Heathrow website.
Landing Gear Deployment		
Undertake 2016 observational study		Observation study complete, Report currently in draft and will be available on Heathrow website
Review Report		Dec 17
Operational Procedure Briefing to Group		
Evening learn session		Session held
Airline survey		
Conduct Survey		Survey undertaken and results shared in both July and Sept 2016 WG's. Presentation available on Heathrow website. Results of survey feed directly into work on optimal climb procedures on 09R
Review results		DET.
Study "average load factors" over past 5 years		
Conduct Survey		Analysis undertaken to explore factors that influence load and climb performance. Presentations given at WG2 throughout year and presentations available on Heathrow Website. This work now feeds directly into the work on optimal climb procedures on 09R DET.
Review results		
Undertake a departure profile study on Easterly Detling departure SID		
Prepare study / secure monitoring locations		Programme drafted and presented back to WG2 Nov 2016 . Noise monitor sites identified - programme due to start next year and run for potentially 2 years subject to securing methodology to successfully achieve the objectives.
Data capture		
Review report and consider next steps e.g. potential trials		
Arrival approach paths		
Further discussion		Arrival principals workshop held. Broader stakeholder consultation planned for 2017.
Conduct Study of minimum published climb gradients at other international airports		
Review results and consider next steps to review results		42 airports surveyed and results presented back at WG2 Mar 16. Presentation is available on the Heathrow Website.
Departure Noise Optimisation Tool principles		
Workshop follow up meeting		Two initial workshops held and general support for the tool was agreed. The progress has stalled whilst Airbus consider whether to continue with the development programme. HAL have written to express support.
Focus groups		
Review findings		

WG2: Outputs of last meeting

- Trax gave an update on the Detling 09R departure study (see agenda item 4), Its purpose is to examine the current noise performance and footprints of traffic on the 09R DET departure route in order to assess the environmental and operational impacts of introducing a steeper climb gradient.
- An update on the landing gear deployment study. Previous studies were carried out in 2014, 2015 and 2016 and the latest report has now been drafted. The report will be made available when the final version is complete.
- An update on arrivals efficiencies work including Independent Parallel Approaches (IPA). IPA is expected to reduce the time aircraft are held in a stack, increase resilience, reduce delays and improve punctuality.
- NATS gave a presentation about vectoring at Heathrow, discussing the vectoring of aircraft off the departure routes below 4,000ft, between 4,000ft and 6,000ft, and the rules that apply (see agenda item 5).

Working Group 3 : Night Flights

Progress Overview

Status Key	
	No Progress and no plan to continue
	Some progress made plan required to progress in 2017
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	Complete

G3 - Within current night flying restrictions, to establish a quiet night charter that identifies a number of voluntary steps that reduce the impact of night operations.		
Meetings		
Dates		All held
Information Pack on Night Flights		
Agree content		The format and content have been agreed and the pack has been circulated to CNF members and will be on the website by the end of 2016.
Issue pack		
Develop a voluntary quiet night charter		
Agree objectives, scope and KPIs		Charter principles explored, 47 airlines surveyed along with Heathrow Scheduling Committee.
Seek airline feedback and input		Operational consequences investigated and presented back at both Sep and Nov WG's.
Review and refine based on feedback		Consultation planned for 2017 to gain wider stakeholder views.
Launch Charter		

WG3: Outputs of last meeting

- Agreed the content and format of the Night Flight Information Pack (see *WG output document titled "Night Flights Info Pack"*).
- Initial data on the operational consequences in relation to some of the Voluntary Night Charter (VNC) proposals was presented and discussed.
- It was noted that the introduction of the VNC will be subject to wider consultation with airlines and other stakeholders.
- The night flights workshop has been scheduled for 01/12/16 and HCNF members not part of the working group are encouraged to attend.
- The Airside team are currently assessing the capability of the Met Office and Operations team to predict the runway direction during the night period a number of days in advance and were interested in feedback from community stakeholders as to whether it would be a helpful to make this information available with associated probabilities.

Working Group 4 : Research, Policy & Comms

Progress Overview

Status Key	
	No Progress and no plan to continue
	Some progress made plan required to progress in 2017
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	Complete

G4 - To build a greater understanding of existing aviation related research and improve communication about noise with all stakeholders.		
Meetings		
Dates		All Held
Quarterly Research Briefing Note (1-2 pager)		
Publish notes		Format and frequency of reports agreed and first edition to be added to website in 2016.
Evening Learning Lectures		
Non Acoustic Factors		3 lectures have been delivered to date with Uwe Muller due in January 2017 (non acoustics) and Stephen Stansfeld (WHO) on standby once the new guidelines are published.
Noise & Health Overview		
Childrens Learning		
Night flights		
WHO Guideline Revision		
Set data presentation challenge		
Agree questions standard reporting template needs to address		The bulk of the work undertaken to create the template was down by WG1. This group provided feedback on the draft template prior to agreement at the CNF
Design standard reporting template		
Draft and agree design		
Enhanced Noise & Track keeping Tools		
Demon prototype of "Xplane"		Xplane product developed and the demonstrated/tested by members of the WG. Feedback taken on board and product launched in November 2016.
Review feedback		
Launch		
Gap analysis in research		
Agree areas of common interest and potential opportunities for research		Initial discussions held in November WG session and some common areas starting to emerge. Further discussion planned for 1st meeting in 2017

WG4: Outputs of last meeting

- Discussed & agreed the content and format of the first quarterly research update (*see WG output presentation titled “Research Update November 2016”*)
- An update on the Respite Research Project indicated that the Peer Review Group had reviewed the pilot studies, made suggested amendments which had been generally incorporated into the full fieldwork tests currently ongoing. A draft report is due at the end of 2016 and final report by Easter 2017.
- Discussions started to explore potential gaps in existing research and areas of common interest.

Working Group 5 : 09R Compton

Progress Overview

Status Key	
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	Complete

G5 - To identify potential route design options for the 09R CPT SID that are flyable and acceptable to all stakeholder groups.		
Meetings		
Dates		Initial meeting held and new plan developed.
Explore Route design options for 09R CPT		
Consider Options & set out next steps		Completed. Workshop on design principals held. Report published on Heathrow website. Broader stakeholder consultation planned for 2017
Develop options		

WG5: Outputs of last meeting

- No further meetings held since last HCNF
- Next workshop scheduled 06/12/16

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