



DAP 1916 - Statement of Need: Intended Change to Notified Airspace

This form may be used to provide information to the CAA about an intended change. Once this form is completed, then please submit it by clicking the button at the end of this form.

1. Change Title

Please enter a title for this intended change, (max 80 characters): *

Gatwick Airport Reduced Night Noise Trial

2. Change Sponsor Details

Please select the appropriate category and complete. *

- ☒ A Company
- ☐ An Unincorporated Association or other body
- ☐ Individual (including sole traders and partnerships)

2a. A Company

Registered Company name (in full) *

Gatwick Airport Ltd

Registered Company Number

1991018

Country of Company Registration

United Kingdom

Registered Office Address

Destinations Place, Gatwick Airport, West Sussex

Postcode

RH6 0NP

E-mail

Trading name (if applicable)

Trading Address (primary site)

Country

Postcode

Website address

gatwickairport.com

Primary Point of Contact Name *

[REDACTED]

Telephone *

[REDACTED]

E-mail *

[REDACTED]

Secondary Point of Contact Name

[REDACTED]

Telephone

[REDACTED]

E-mail

[REDACTED]

3. Independent Aviation/Airspace Consultancy

☒ Is an Independent Aviation/Airspace Consultancy involved in this proposal?

Aviation Consultancy

Registered Company name (in full) *

Helios Technology Ltd

Registered Company Number

03257217

Country of Company Registration

United Kingdom

Registered Office Address

29 Hercules Way, Aeropark, Farnborough, Hampshire

Postcode

GU14 6UU

Telephone

01252 451 641

Email

info@askhelios.com

Trading Name (if applicable)

Trading Address (primary site)

Country

Postcode

Website address

Primary Point of Contact Name *

Primary Contact

☒ Should the CAA use the Independent Consultancy as the primary point of contact for this airspace change proposal?

Telephone *

Email *

Secondary Point of Contact name

Telephone

Email

4. Summary of Intended Change

Please use the check boxes below to indicate the nature of the intended change(s): *

☐ Flight Information Region
(ENR 2.1)

☐ Other Regulated Airspace
(ENR 2.2)

☐ Area Navigation Routes
(ENR 3.3)

☐ En-Route Holding
(ENR 3.6)

☐ Military Exercise/
Training Areas
(ENR 5.2)

☐ Upper Information Region
(ENR 2.1)

☐ Lower ATS Routes
(ENR 3.1)

☐ Helicopter Routes
(ENR 3.4)

☐ Name-Code Designators
(ENR 4.4)

☐ Other Danger/
Hazard
(ENR 5.3)

☐ Terminal Control Area
(ENR 2.1)

☐ Upper ATS Routes
(ENR 3.2)

☐ Other Routes
(ENR 3.5)

☐ Prohibited/Restricted/Danger Areas
(ENR5.1)

☐ Aerial/Sporting/Recreational
Activities
(ENR 5.5)

- | | | |
|---|--|--|
| <input type="checkbox"/> Bird Migration/Sensitive Fauna (ENR 5.6) | <input type="checkbox"/> ATS Airspace (AD-EGXX-2.17) | <input checked="" type="checkbox"/> Flight Procedures (AD-EGXX-2.22) |
| <input type="checkbox"/> ATCSMAC (AD-EGXX-5) | <input type="checkbox"/> Standard Instrument Departure (AD-EGXX-6) | <input checked="" type="checkbox"/> Standard Arrival Route (AD-EGXX-7) |
| <input checked="" type="checkbox"/> Instrument Approach Procedure (AD-EGXX-8) | <input type="checkbox"/> Visual Reference Point | <input type="checkbox"/> Release of Controlled Airspace |

Please use the check box below to indicate whether this is an administrative change:

- ☐ Does your proposal represent an administrative change to the Aeronautical Information Publication (AIP)?

5. Statement of Need

Please provide a brief 'Statement of Need' expressing explicitly what airspace issue or opportunity you are seeking to address. Your Statement of Need should clearly articulate the current situation, the issue (and the cause of it) to be resolved or the opportunity to be addressed along with any other factors or requirements. *

At the request of Gatwick's Airport's Noise Management Board (NMB), Gatwick Airport has agreed to explore opportunities to help improve the night noise environment around the airport.

Research conducted by the University of Sussex indicates that 'outlier' noise events, defined as aircraft which are significantly lower or noisier than the mean, are responsible for a disproportionate impact on communities.

Compared to current operations, GPS-based routes have the potential to reduce outliers. Gatwick intend to conduct a trial to explore the benefits of using GPS-based arrival routes at night to reduce the number of outliers and therefore improve the overall noise situation. The aim is to compare the noise environment during the trial to the pre-trial situation.

The trial will also contribute information towards future airspace design by providing objective information on the benefits and drawbacks of GPS-based routes, identifying any unexpected consequences that may arise and providing an opportunity to test new community engagement processes.

The routes will be implemented as PBN procedures based on RNAV 1 or RNP 1 criteria as appropriate.

The trial will be expected to last for 6 months, starting in early 2019. It is planned to operate between 01:30-05:00 (local time) and will include both easterly and westerly arrivals.

The trial routes will be in areas which are currently overflown by aircraft at night. Noise monitors will be used to compare the pre-trial and trial situations.

The trial is not a test of specific routes, nor is it attempting to optimise capacity or efficiency. Current night-time noise abatement procedures relating to the ILS minimum joining point will not be changed for the trial.

There were approximately 1150 arrivals in January June 2017 during trial hours. This gives an indication of the number of aircraft that could be involved in the trial, although arrival numbers fluctuate each month.

Community and industry engagement will support the trial design process. Communities have been engaged since June 2017 and have provided significant feedback on early proposals. Engagement has taken place primarily through the NMB, as well as through NaTMAG and GATCOM, and will continue to take place through these groups as well as providing updates on Gatwick's Airport's website as well as the NMB website.

Please specify the altitudes (where applicable) affected by your Statement of Need:

- ☒ Surface to below 4,000 feet
- ☒ 4,000 feet to below 7,000 feet
- ☐ 7,000 feet to below 20,000 feet
- ☐ 20,000 feet and above

6. Proposed Dates

Please provide your proposed date for the submission of your change proposal to the CAA. This should be the date on which you are expecting to submit your formal airspace change proposal to the CAA. Please note that your formal airspace change proposal must be submitted alongside all of the supporting documentation required by the CAA to complete our regulatory assessment of the Proposal; consequently the date on which you place in this field should represent the point at which you will have the formal airspace change proposal **and all** of the supporting documentation ready to submit to the CAA. This date is required to assist us with the allocation of the required CAA-resource to your proposal and therefore it is a key date in our planning process. Whilst we will try to accommodate your specified timescales, there may be occasions where it is not possible for us to do so given the large number of projects that are already 'in process'. You should also note that any changes to the above date may impact our ability to process your airspace change proposal within your preferred timescales. It should also be noted that from September 2018 any amendments submitted by a Data Originator or ANSP for onward promulgation in the UK IAIP will be subject to the Aeronautical Data Quality Requirements. See [Commission Regulation \(EU\) No 73/2010](#) (updated by 1029/2014) and [CAP 1054: Aeronautical Information Management](#) guidance material for further information. These requirements will be discussed in greater detail during the course of your initial meeting with the CAA.

- ☒ Confirmation of Understanding *

Please provide your proposed date for the submission of your change proposal to the CAA. *

30 Nov 2018

Please provide your proposed AIRAC effective date *

AIRAC 04/2019

If this change forms a part of a modular airspace change proposal please provide the relevant title and further information below (Note we will require individual submissions for each module) . *

None

If this change requires the implementation of a Five-Letter Name Code (5LNC) please specify your requirements below: *

Yes it is likely. Requirements are not known at this stage.

