



## Heathrow Airport Ltd

### CPT Departure SID 09L/R Statement of Need

#### The existing situation

1. The current Compton (CPT) 4K/5J Standard Instrument Departures (SID)s from Runways 09L/R have not been flown for over 30 years. As the number of flights using Heathrow Airport increased, the route became challenging to manage because of its proximity to the Ockham holding stack and the Heathrow Airport arrival flow to the south of the airport.
2. Instead of allowing aircraft to fly the published SID, NATS air traffic controllers have been required to manually direct aircraft on this route to separate them from the stream of arrivals making their way from the southerly holding stacks to the airport.
3. In 2009, this manual interaction by air traffic controllers was standardised and implemented as a trial procedure in the live environment. The procedure remains in operation and published in local air traffic control procedures as a trial. During this period, it has generated no safety concerns and from an air traffic control perspective is considered standard practice.
4. However, it does result in poor Noise Preferential Route (NPR) compliance on this route compared to Heathrow Airport's other departure routes. Traffic departing on this route is mainly used for flights heading west, to Ireland or over the Atlantic. In 2018, 5% of all Heathrow Airport departures used the easterly CPT route.

#### The cause of the proposal

5. The manual interaction by air traffic controllers for CPT departing aircraft in 2009 was only ever meant to be as a trial. Since 2009, Heathrow Airport Limited have, on two occasions, tried to formalise a new CPT SID procedure, however on both occasions, and for differing reasons, firstly the CAA and then DfT, delayed the Airspace Change Proposal from progressing.
6. As a result of the continuing poor Noise Preferential Route compliance on the CPT departures, the DfT have instructed Heathrow Airport Limited (HAL) to take measures to improve the track-keeping, and the CAA have requested that HAL address the issue of a long term trial, consequently HAL will consider the introduction of new CPT SIDs from Runways 09L and 09R prior to the implementation of the third runway ACP.

#### What this proposal will involve

7. The general direction of new easterly CPT SIDs will be broadly similar to today but if successful, this Airspace Change Proposal (ACP) will result in the concentration and potential re-distribution of Heathrow Airport's easterly CPT departures below 7,000ft.
8. This ACP is only relevant to easterly operations.
9. We (HAL) are planning to design new Compton SIDs from runways 09L and 09R so that aircraft can fly without the need for routine controller intervention and provide more certainty to local communities about where flights using those routes will be. The routes will provide more certainty for flight crews and standardise the handling of CPT departures by the Heathrow Aerodrome Controller in line with other Air Traffic Control (ATC) procedures.



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10. We are mindful of the fact that by altering the CPT SID we will be required to align the associated Noise Preferential Route to this change and this will require approval from the DfT.

### What this proposal does not affect

11. The easterly CPT SIDs determined during this ACP will operate in the existing two-runway environment. The design of all our SIDs, including the easterly CPT SIDs, are being reviewed to meet the Government's Airspace Modernisation Strategy and that review will also accommodate the planned expansion of Heathrow Airport, should it be consented. This project will involve the complete redesign of Heathrow's airspace and flightpaths, so the new CPT SIDs are likely to cease to exist following modernisation in either a two-runway or three-runway environment. If development consent is granted, Heathrow's third runway is currently scheduled to become operational in 2026.
12. This proposal does not seek to change the CPT SIDs from Runways 27L or 27R.
13. This proposal does not seek to change any other easterly departure SIDs.