

February 2023

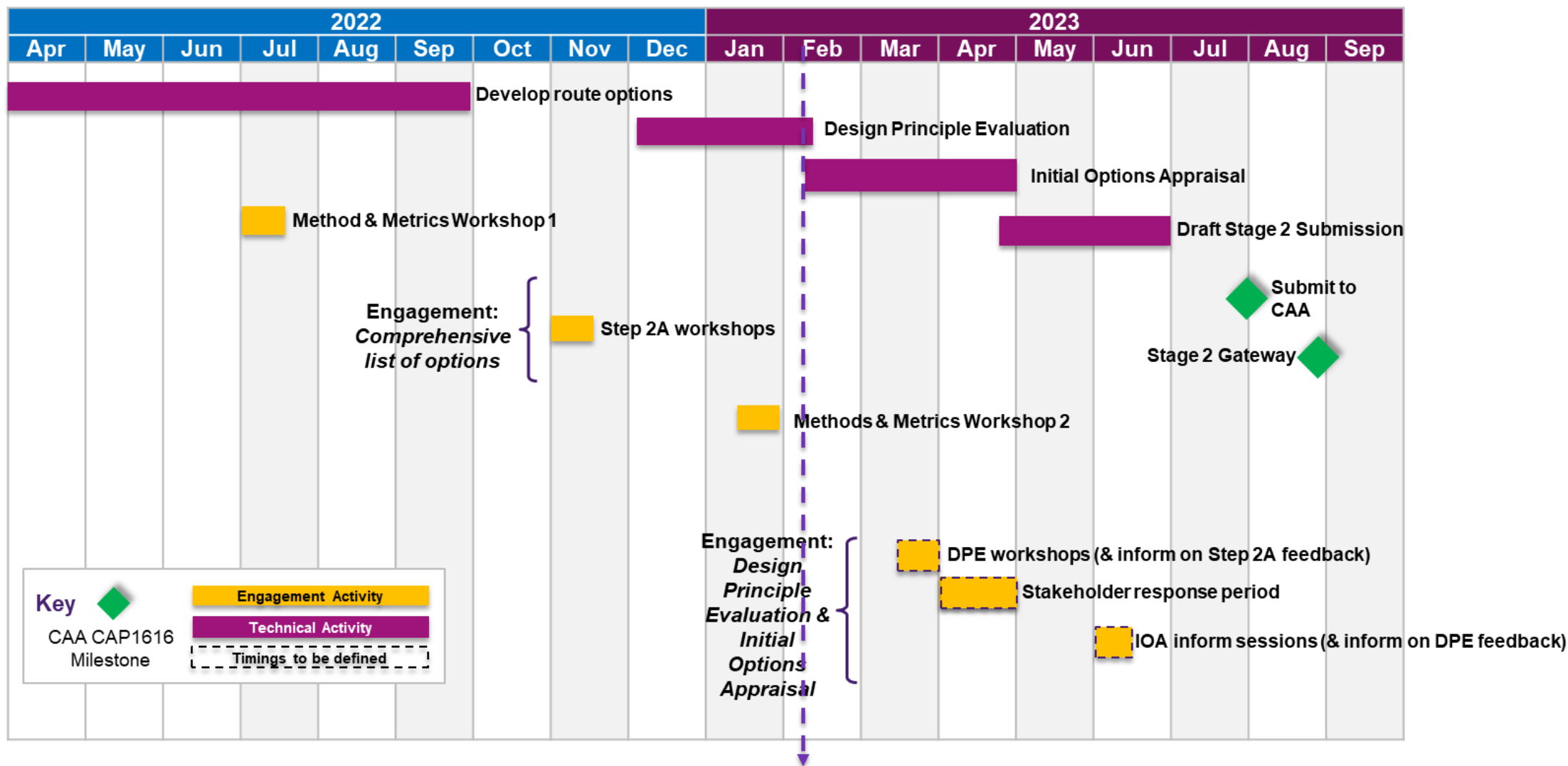
An aerial photograph of Heathrow Airport at dusk. The terminal buildings are illuminated from within, and the tarmac is lit by ground lights. A large aircraft is visible on the right side of the frame. The sky is a mix of orange and blue.

Airspace Modernisation: Airspace Change Proposal

February NACF Update

Heathrow

Heathrow's Stage 2 Plan



Key

- ◆ CAA CAP1616 Milestone
- Engagement Activity
- Technical Activity
- Timings to be defined

WE ARE HERE

CAP1616: Purpose of Options Appraisal

Options appraisal is a means of assessing the possible different approaches for delivering a desired outcome (in this case, the outcome is the introduction of airspace modernisation at Heathrow).

The Options Appraisal should deliver clear and comparable evidence about a range of factors so that different airspace design options can be compared and assessed on the basis of these factors.

The environmental factors for assessment are set out in CAP1616:

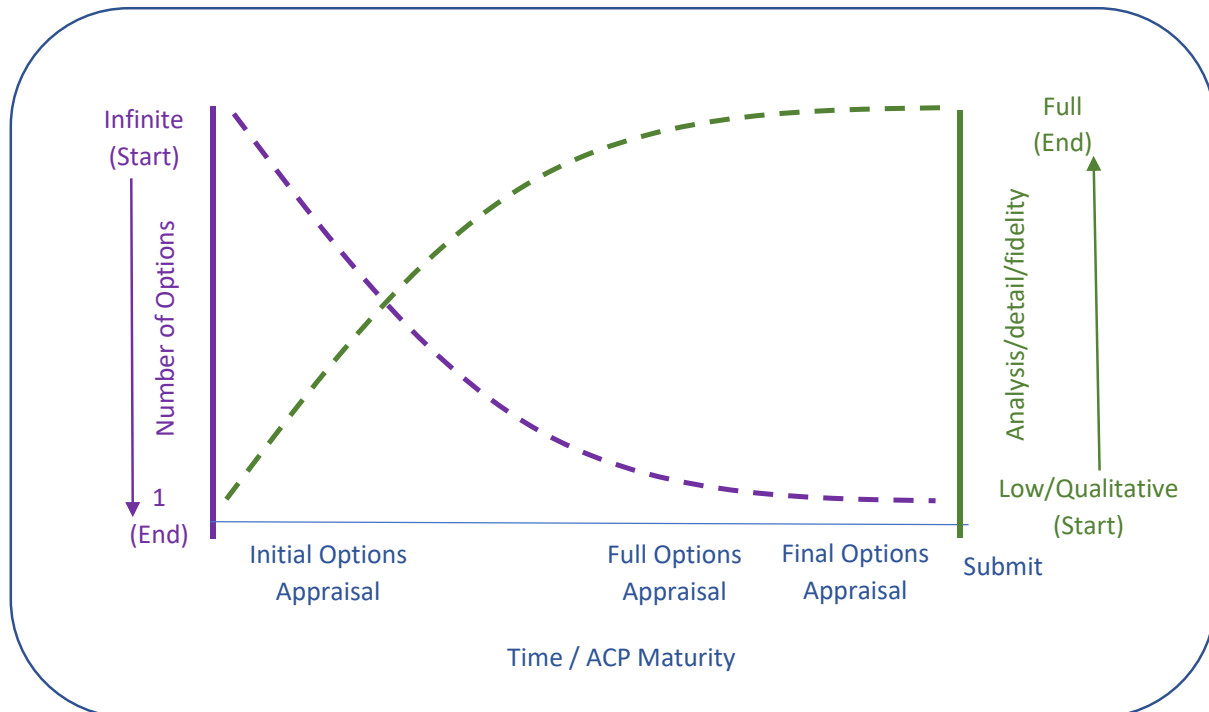
- Noise
- CO₂ emissions
- Local air quality
- Tranquility
- Biodiversity

The options appraisal process requires each option to be assessed against a “do nothing” scenario to understand the impacts (positive and negative) of each option. However, CAP1616 recognises that “do nothing” is not always a feasible option for consideration (e.g. the introduction of airspace modernisation is government policy).

CAP1616: Phases of Appraisal

The Initial Options Appraisal (IOA) is the first of three appraisal phases, and **the level of detail will increase as we move through the appraisal phases**

Stage 2B: 'Initial' Options Appraisal:	Qualitative and/or quantitative assessment of longlist of options
Stage 3A: 'Full' Options Appraisal:	Quantitative assessment of shortlist of options, shared at consultation
Stage 4A: 'Final' Options Appraisal:	Update based on any changes required following public consultation



CAP1616 requires an 'Initial' Options Appraisal (IOA) to be prepared at Stage 2B which can be based on **qualitative information rather than quantitative analysis***, however Heathrow intends to use data wherever possible to ensure the appraisal is robust, consistent and evidence-based.

** Appendix B, B8*

Upcoming Activities

KEY HEATHROW ENGAGEMENT ACTIVITIES

March – Design Principle Evaluation & 2A Feedback Workshops (4 week stakeholder feedback period to follow)

June – Initial Options Appraisal/Stage 2 Submission Sessions

Other Airspace Modernisation Activities

- CAP1616 Guidance Consultation ongoing until **5th March**. The consultation document and access to the survey can be found here: <https://consultations.caa.co.uk/safety-and-airspace-regulation-group/acp2022/>
- NERL West airspace deployment