

Innovation Hub
Future Air Mobility
Call for Insight



We are inviting stakeholders to provide insights on risk management to increase our understanding of future air mobility business concepts and to inform the regulatory requirements for future commercial operations.

In answering this call, you have opportunity to directly influence the future regulatory framework for air mobility, by helping us to draw a comprehensive picture of the challenges and potential mitigations against the future air mobility landscape. The CAA is responsible for establishing a regulatory path for all UK future air operations and works with counterparts internationally to determine safety standards and encourage regulatory harmonisation across the global aviation sector.

Your input will validate ongoing work in relation to safety matters under EASA and ICAO. This industry insight is essential to establish how safety, environmental and passenger risks may be managed. In turn this will enable regulation and standards to guide future air mobility use cases and business operations in environments such as those available in the UK.

This call is open to all experts who have experience in the design or production of future air mobility solutions or are involved in research and risk management activities relating to these. This could include experience with: aircraft; landing/take-off infrastructure; passenger services; air navigation software and hardware; and airspace design.

The Context

Future air mobility propositions involving novel ways of transporting passengers, goods or services from A to B – for example Urban Air Mobility (UAM) concepts – have continued to develop. This has been driven by large-scale investments in new aircraft designs, research into future urban mobility and integrated transport networks, and commercial partnerships between equipment and technology firms in aviation. The range of use cases proposed is also expanding; from airport shuttles and on-demand inter-city services to regional, intra-city and rural services.

Whilst existing aviation regulations can enable the exploration and trialling of innovative future air mobility solutions, they do not yet enable commercial operations or fully provide a scalable, proven certification approach. Progress is being made to create certification frameworks for specific aircraft types, for example with EASA's Special Condition for Vertical Take-off/Landing (SC VTOL) aircraft and the FAA's draft policy for Special Rotorcraft class aircraft. This process is however ongoing. We have also seen real commitment from industry to help develop standards, such as through the EUROCAE Working Group on SC VTOL, and the growing numbers of proposals discussing broader integration of future air mobility solutions into the aviation sector.

We recognise there is a role for the CAA to play in addition to this work. Specifically, in identifying and supporting answers to regulatory challenges and working alongside Government, industry and public stakeholders. Our approach to facing these challenges includes this call for insight, which we are launching alongside our first regulatory sandbox challenge on future air mobility. The findings from this call will help inform our decision making and on current and future [CAA regulatory sandbox trials](#). We will share the combined learnings from this work with the public, industry and other regulators. This will accelerate the establishment of regulatory frameworks for future commercial air mobility operations and facilitate discussions across the aviation sector on best practice.