



## **Jet Zero Council – Sixth Meeting**

**09:00 – 10:00, Tuesday 19<sup>th</sup> July 2022**

**Farnborough International Airshow, Airbus Chalet**

### **Attendees**

#### Ministerial Attendance

- Robert Courts MP, Parliamentary Under Secretary of State for Transport

#### Member Attendance

- Dr Amy Ruddock, Vice President Europe, Carbon Engineering
- Andy Smith, Head of Sustainability Strategy – deputising for Jonathan Hinkles, Chief Executive, Loganair
- Bryan Stonehouse, Head of Aviation Sustainability & Risk – deputising for David Bunch, UK Country Chair, Shell
- Chris Saunders, Vice President Strategy & External Relations – deputising for Russ Dunn, Chief Technology Officer and Head of Strategy, GKN Aerospace
- Gary Elliott, Chief Executive Officer, Aerospace Technology Institute
- Grazia Vittadini, Chief Technology and Strategy Officer, Rolls-Royce
- Holly Boyd-Boland, Vice President of Corporate Development – deputising for Shai Weiss, Chief Executive Officer, Virgin Atlantic
- Professor Iain Gray, Director of Aerospace, Cranfield University
- James Stephens, Vice President Corporate Affairs, DHL UK & Ireland
- Jim Woodger, Managing Director – deputising for Dr Jennifer Holmgren, Chief Executive Officer, LanzaTech
- Johan Lundgren, Chief Executive Officer, easyJet
- Jonathon Counsell, Jet Zero Council Sustainable Aviation Fuels Delivery Group Chair (and Group Head of Sustainability, International Airlines Group)
- Julie Kitcher, Executive Vice President Communications and Corporate Affairs, Airbus
- Karen Dee, Chief Executive, The Airport Operators Association
- Kevin Craven, Chief Executive Officer, ADS Group
- Dr Kirsty Kewitson, Interim CEO – deputising for Dr Alicia Greated, Chief Executive Officer, Innovate UK KTN



- Kyle Martin, Vice President, European Affairs, General Aviation Manufacturers Association
- Louise Kingham OBE, UK Head of Country and Senior Vice President for Europe, bp
- Sir Martin Donnelly, President, Boeing Europe and Managing Director, Boeing U.K and Ireland
- Matt Gorman, Chair, Sustainable Aviation, and Director of Sustainability, Heathrow Airport – deputising for John Holland-Kaye, Chief Executive Officer, Heathrow Airport
- Sir Mike Wigston KCB CBE ADC, Air Chief Marshal, Royal Air Force
- Neville Hargreaves, Vice President, Waste to Fuels, Velocys
- Rachel Gardner-Poole, Jet Zero Council Zero Emission Flight Delivery Group Chair (and Chief Operating Officer, Connected Places Catapult)
- Stephen Heapy, Chief Executive Officer, Jet2
- Tim Alderslade, Chief Executive, Airlines UK
- Tim Hawkins, Chief of Staff – deputising for Charlie Cornish, Group Chief Executive, Manchester Airports Group
- Tim Johnson, Director, Aviation Environment Federation
- Tim Johnson, Policy Director, Civil Aviation Authority – deputising for Richard Moriarty, Chief Executive Officer, Civil Aviation Authority
- Val Miftakhov, Chief Executive Officer, ZeroAvia

#### Department for Transport official attendance

- Gareth Davies, Permanent Secretary
- Ben Smith, Director for Aviation
- Holly Greig, Deputy Director, Aviation Decarbonisation
- Debbie Stockwell, Deputy Director, Low Carbon Fuels

#### Department for Business, Energy and Industrial Strategy official attendance

- Fred Perry, Director, Advanced Manufacturing
- Paul Griffiths, Head of Aerospace Team

#### Additional Attendees

- Andy Johnston, Jet Zero Communications & Engagement Network Chair (and External Relations Manager, GKN Aerospace)
- Ministerial Private Secretary
- Jet Zero Council Secretariat



## Apologies

- Rt Hon Grant Shapps MP, Transport Secretary, Joint Chair
- Rt Hon Kwasi Kwarteng MP, Business, Energy, and Industrial Strategy, Joint Chair
- Trudy Harrison MP, Minister of State, Department for Transport  
Emma Gilthorpe, Jet Zero Council CEO (and Chief Operating Officer, Heathrow Airport)
- David Lee, Professor of Atmospheric Science and Director of the Centre for Aviation, Transport, and the Environment, Manchester Metropolitan University
- Baroness Brown Julia King DBE FREng FRS, Jet Zero Council Adviser (and Crossbench Member of the House of Lords)
- Sean Doyle, Chief Executive Officer, British Airways

## **Actions**

- Jet Zero Council Secretariat to update the Jet Zero Council's overarching ambition to: deliver at least 10% Sustainable Aviation Fuels (SAF) in the UK fuel mix by 2030 and deliver zero emission transatlantic flight within a generation.
- BEIS & DfT to assess how to consider skills in the work of the Council going forwards.
- DfT to evaluate if the Council is the right forum for considering the adaptation measures that may be needed in the aviation sector, in response to the effects of climate change to improve the sector's operational resilience.

## **Summary of Meeting**

- Robert Courts MP, Parliamentary Under Secretary of State for Transport, highlighted key milestones since the fifth Jet Zero Council (JZC) meeting and welcomed eight new Council members.
- Robert Courts MP provided an overview of the Jet Zero Strategy (JZS), underscoring its key themes, messages, and ambitions.
- JZC members shared their reflections on the JZS and the pledges they have made as part of a new Jet Zero Council Industry Charter.

## **Readout**

### **1. Opening remarks**

Robert Courts MP thanked the ADS Group and Airbus for hosting the meeting at Farnborough International Airshow.

Julie Kitcher, Executive Vice President Communications and Corporate Affairs, Airbus welcomed Council members to the Airbus chalet and explained how Airbus is committed to sustainability through four key levers: innovation & technology, SAF



and hydrogen energy pathways, air traffic management, and developing regulatory frameworks for aviation around the world in the leadup to the 41st International Civil Aviation Organization (ICAO) assembly.

Robert Courts MP welcomed new Jet Zero Council (JZC) members: ADS Group, Airlines UK, Carbon Engineering, DHL, Professor David Lee (Manchester Metropolitan University), Jet2, Sustainable Aviation and The Airport Operators Association.

He said he was sure that the next Prime Minister will remain committed to the Jet Zero agenda. He highlighted recent government announcements, including the publication of the [government response to the SAF mandate consultation](#), opening the £165 million [Advanced Fuels Fund](#), next steps for the second stage of the [Net Zero Transatlantic Flight Fund](#) and progress on both the SAF and Zero Emissions Flight (ZEF) delivery groups. He congratulated Rachel Gardner-Poole for establishing the ZEF Delivery Group and Chairing its first meeting on Friday 15 July, at which milestones, priorities and new sub-groups were discussed.

Minister Courts proposed updating the JZC's overarching ambition to include reference to SAF, specifically: The aim of the Jet Zero Council is to deliver at least 10% SAF in the UK fuel mix by 2030 and deliver zero emission transatlantic flight within a generation. Members were invited to share any feedback on the ambition with the JZC Secretariat.

## 2. Jet Zero Strategy launch

Robert Courts MP said that the publication of the Government's [Jet Zero strategy](#) was the culmination of years of collaboration and hard work across industry, government and academia. Two other major publications were unveiled that day which supported the Jet Zero agenda; the [Jet Zero investment flightpath](#) and the Aerospace Growth Partnership's (AGP) strategy "[Destination Net Zero](#)".

He recapped the key steps in delivering the JZS, including the [Jet Zero consultation](#) and the [further technical consultation](#), which received over 1,400 responses, and the [summary of responses and government response](#) which were published alongside the JZS. The Government had committed to the 'High Ambition' scenario from the different trajectories outlined in the original consultation and it intended for aviation emissions to never again reach 2019 levels.

Robert Courts MP gave an overview of the approach and goals of the Strategy which included the ambition for UK domestic aviation to reach net zero by an earlier target of 2040 and a five-year delivery plan that would detail the actions required to achieve Jet Zero. He said the Government had committed to reviewing the Strategy every five years and adapting its approach based on the progress made.

He outlined the three key principles which underpin the JZS:

- International leadership: recognising that aviation decarbonisation is a global issue that requires collaboration on a global scale. He said this would be



particularly vital during the 41st ICAO Assembly where the government will be negotiating for an ambitious long-term emissions reduction goal for international aviation aligned with the Paris Agreement temperature targets.

- Delivered in partnership: continuing to work closely with Council members through the JZC, as well as other important partnerships across the sector.
- Maximising opportunities: using the opportunities that decarbonising the sector can bring to create new job, new industries with innovative new technologies and improve UK energy security.

He said the JZS has six measures spanning different market segments, all of which would be required to deliver Jet Zero: systems efficiencies, SAF, ZEF, markets and removals, influencing consumers and addressing non-CO<sub>2</sub>. These are subdivided further into 63 specific policies.

The Government plans to consult again in 2023 to seek views on the different approaches that could be taken to achieve the net zero by 2040 domestic aviation target and would undertake a call for evidence later in 2022 on the 2040 zero emission airports target.

Fred Perry, Director, Advanced Manufacturing, BEIS commented that the JZS represented the exact global leadership that the Business Secretary feels deeply about and will prepare the UK for the upcoming ICAO assembly, putting representatives in a good position to encourage member states to up our ambition.

Robert Courts MP then asked Council members for their reflections on the Strategy and how their organisations will contribute to achieving Jet Zero through the new Jet Zero Council Industry Charter

Key discussion points included:

- The JZS was warmly received by Council members. They credited it as being a demonstration of UK leadership through a pioneering and ambitious framework, that had the potential to unify the sector with a common sense of direction. Some members also used this segment to declare the individual pledges of their representative organisations in showing commitment to delivering Jet Zero.
- Members noted that certain aspects of the JZS held a greater sense of urgency than others. The “at least 10% SAF use in the UK fuel mix by 2030” and “at least 5 commercial-scale SAF plants under construction in the UK by 2025” targets were highlighted by members as requiring rapid and immediate progress to be realised in those timescales.
- Two additional points for consideration were raised. Members discussed looking at the best way to integrate a coherent aerospace skills agenda with the work of the JZC and highlighted that operational resilience in the context of climate change adaptation is important. Minister Courts said these would be taken away for consideration.



### **3. Closing remarks & AOB**

Robert Courts MP said the 41<sup>st</sup> ICAO Assembly would be critical for setting aviation's future decarbonisation trajectory. The UK would aim to use its international influence to ensure that global aviation emissions are tackled effectively through the forthcoming Assembly.

The Government had also engaged closely with other states to build support for its objectives; bringing together a number of like-minded states under the International Aviation Climate Ambition Coalition to commit to ambitious action on aviation emissions.

He thanked Council Members for their commitment to Jet Zero and urged them to continue promoting the Council's objectives with international partners.