

## **Short Briefing Note – Bristol Airport and easyJet Electric Turnaround Trial**

**September 2021**

### **Background**

Bristol Airport and easyJet have formed a new collaborative partnership to align on important strategic goals around sustainability for both businesses.

The partnership will involve a series of trials all geared towards the overall ambition to achieve a zero emissions turnaround at Bristol Airport alongside taking steps to contribute positively towards reducing easyJet's overall carbon footprint.

The joint partnership will study a wide range of cutting-edge developments and operational efficiencies, with easyJet using Bristol Airport as a test-bed to trial and implement the latest technological and innovative solutions for decarbonising its operations and reducing waste. It is hoped that any successful results from the trials will have the potential to be rolled out across easyJet's network, which spans 150 airports across 35 countries.

Projects and trials will include work in the following areas:

- electric Ground Power Units ('eGPU')
- sustainable aviation fuels
- electric passenger coach transportation
- recycling and waste management
- employee carbon-saving initiatives
- supply chain carbon reductions
- aircraft continuous descent approaches
- zero carbon emission aircraft turnarounds
- Neo Aircraft deployment and Fleet Optimisation

As requested by the Inspectors, this note focuses on the zero emission aircraft turnaround trial.

### **Scope of the Trial:**

- To undertake a comprehensive six-month trial with easyJet and other partners to ascertain the scope for implementing wider application of zero emission ground-based operations;
- The trial will take place for six months, commencing in early September 2021;
- The trial will take place on stands 23/24, which have about 8 turnarounds a day;
- With the current equipment available at Bristol Airport, we anticipate we will achieve a minimum reduction in emissions of 86% and a maximum of 100%, this varies depending on the specific turnaround and specialist equipment required.

### **What are the aims of the trial?**

- Achieve a world first (of this scale and duration) low / zero emission aircraft turnaround;
- To demonstrate that a zero / low emission aircraft ground turnaround is achievable (further details below);
- To identify possible blocks and challenges, and how equipment shortfalls impact turnarounds emissions during the trial;
- To encourage equipment suppliers and other industry partners to develop affordable and sustainable equipment and methods to achieve the emission free target – setting as standard for the industry;
- To show how industry business partners can work together to minimise emissions from ground operations and aircraft turnarounds;
- To reduce, as far as practicable, the emissions from aircraft turnarounds on the trial stands.

### **Several partners are involved in the trial:**

- Bristol Airport and easyJet, this trial is one part of the wider sustainability partnership as detailed.

- DHL is the ground handling agent for easyJet and manages and operates all turnaround activities, other than water and toilet waste and re-fuelling.
- TCR provides Ground Service Equipment to DHL, including steps, belt loaders, push back tugs, baggage tractors etc.
- Up & Away provides cleaning and water / toilet cart services to easyJet.
- Terberg supplies equipment to Up & Away.
- ITW will provide eGPUs for the duration of the trial, via TCR.

## **Feedback**

Bristol Airport and easyJet will be publishing data on the trial in due course and will seek feedback from all partners involved.