

Operational Advice Notice

Pre-Conditioned Air Operating Principles

(June to October 2024)

3rd June 2024

ASGrOps_OAN_091

Version 5.0

It is the responsibility of all employers to ensure that relevant OANs are brought to the attention of their staff. However, individuals remain responsible for their own actions and those who are in any doubt should consult their Supervisor or Manager.

This is an updated version. Red bars have been added at the side of the document to draw the reader's attention to where changes have been made.

1. Introduction

This Operational Advice Notice (OAN) provides information on the current status of Pre-Conditioned Air (PCA) assets and the revised operational restrictions for the months **from June to October 2024** at Heathrow Airport.

2. Definitions

Abbreviation	Description
APU	Auxiliary Power Unit
HAL	Heathrow Airport Limited
OAN	Operational Advice Notice
OSI	Operational Safety Instruction
PCA	Pre-Conditioned Air

3. Pre-Conditioned Air Asset Status

All stands equipped with PCA are currently available and in service.

4. Pre-Conditioned Air Operating Principles

4.1 The instructions as per the current OSIs, ASEnv_OSI_078 Use of Aircraft Auxiliary Power Units and ASEnv_OSI_055 Pre-conditioned Air Rules and Procedures, must be observed and followed unless otherwise stated in this OAN.



- 4.2 Due to the operational limitations of some of the current PCA units the cooling capability for wide-bodied and A380 aircraft may not be as effective resulting in a longer duration to cool the cabin. Therefore, the revised operational restrictions outlined in this OAN are designed to complement the current OSI (ASEnv_OSI_055 Pre-conditioned Air Rules and Procedures) and provide clear guidance as to when airlines can use APU to cool the aircraft cabin instead.
- 4.3 Operational limitations may vary depending on the PCA format in use, the aircraft on stand and the ambient conditions. Where a cabin temperature is **greater than 26°C**, the APU may be used as an alternative if a mobile PCA is not available. The APU hierarchy can be found in current OSI (ASEnv_OSI_078 Use of Aircraft Auxiliary Power Units).
- 4.4 When the PCA is in operation, best cooling performance will be achieved with the aircraft's onboard recirculation fans off. However, the aircraft manufacturer's specific operating instructions must be always adhered to.
- 4.5 To prevent over-pressurisation of the aircraft's cabin and internal ducting system and that the correct airflow is delivered, the correct aircraft operating mode must be selected.
- 4.6 APU requests must be made to Airfield Operations for approval on 0208 745 6024.

5. Enquiries

Any enquiries regarding this OAN should be directed to Philip Shuttleworth (p.shuttleworth@heathrow.com).

