

[REDACTED]

3 April 2020
Reference: F0004768

Dear [REDACTED]

Thank you for your request of 7 March 2020, for the release of information held by the Civil Aviation Authority (CAA).

Your request:

Please can the CAA provide me with information which shows what are the cabin air quality criteria and exposure limits that must be met in order for a commercial passenger aircraft to receive airworthiness and type certification?

Can the CAA also provide information on how it monitors the cabin air quality onboard aircraft in general and how it ensures the criteria and exposure limits for cabin air quality are still met when commercial passenger aircraft require re-certification?

Our response:

Having considered your request in line with the provisions of the Freedom of Information Act 2000 (FOIA), we are able to provide the information below.

The regulatory requirements for the ventilation and heating of aircraft are contained in the [EASA \(EU\) Certification Specifications \(CS25 for large aircraft\)](#) and these include a requirement to meet specific limits in the event of 'reasonably probable failures or malfunctions' of the system. EASA is responsible for certifying an aircraft type as meeting the regulatory requirements. An aircraft manufacturer must demonstrate to EASA how an aircraft type meets the requirements, including how any system failures are detected and managed.


There are no specific requirements for monitoring cabin air quality, other than the requirement to demonstrate that the aircraft type meets the requirements in the Certification Specifications. A 2017 [study](#) commissioned by EASA, which maintains responsibility for approving the safety of aircraft and setting aviation standards for European airlines, concluded that the air quality on flights it tested was similar or better than that observed in normal indoor environments.

Civil Aviation Authority

Aviation House, Beehive Ring Road, Crawley, West Sussex RH6 0YR. www.caa.co.uk

Email: foi.requests@caa.co.uk

If you are not satisfied with how we have dealt with your request in the first instance you should approach the CAA in writing at:-


Head of External Information Services
Civil Aviation Authority
Aviation House
Beehive Ring Road
Crawley
RH6 0YR

@caa.co.uk

The CAA has a formal internal review process for dealing with appeals or complaints in connection with Freedom of Information requests. The key steps in this process are set in the attachment.

Should you remain dissatisfied with the outcome you have a right under Section 50 of the FOIA to appeal against the decision by contacting the Information Commissioner at:-

Information Commissioner's Office
FOI/EIR Complaints Resolution
Wycliffe House
Water Lane
Wilmslow
SK9 5AF
<https://ico.org.uk/concerns/>

If you wish to request further information from the CAA, please use the form on the CAA website at <http://publicapps.caa.co.uk/modalapplication.aspx?appid=24>.


Information Rights Officer

CAA INTERNAL REVIEW & COMPLAINTS PROCEDURE

- The original case to which the appeal or complaint relates is identified and the case file is made available;
- The appeal or complaint is allocated to an Appeal Manager, the appeal is acknowledged and the details of the Appeal Manager are provided to the applicant;
- The Appeal Manager reviews the case to understand the nature of the appeal or complaint, reviews the actions and decisions taken in connection with the original case and takes account of any new information that may have been received. This will typically require contact with those persons involved in the original case and consultation with the CAA Legal Department;
- The Appeal Manager concludes the review and, after consultation with those involved with the case, and with the CAA Legal Department, agrees on the course of action to be taken;
- The Appeal Manager prepares the necessary response and collates any information to be provided to the applicant;
- The response and any necessary information is sent to the applicant, together with information about further rights of appeal to the Information Commissioners Office, including full contact details.