



Notification of a Proposal to Cancel an Airworthiness Directive

PAD No.: 23-094-CN

Issued: 17 August 2023

Note: This Proposed Cancellation Notice (CN) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the cancellation of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.
All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

AIRBUS S.A.S.

Type/Model designation(s):

Airbus aeroplanes (see Applicability)

Effective Date: [Planned: 05 September 2023]

TCDS Number(s): EASA.A.004, EASA.A.014, EASA.A.015, EASA.A.064 and EASA.A.172

Foreign AD: Not applicable

Cancellation: This Notification proposes to cancel EASA AD 2021-0180R2 dated 29 August 2022.

ATA 35 – CANCELLED: Oxygen – Crew and Passenger Oxygen Cylinders – Inspection / Replacement

Manufacturer(s):

Airbus, formerly Airbus Industrie

Applicability:

Airbus A300, A300-600 and A310 aeroplanes, all certified models, all manufacturer serial numbers (MSN);

Airbus A300F4-608ST aeroplanes, all MSN;

Airbus A318, A319, A320 and A321 aeroplanes, all certified models, all MSN;

Airbus A330 aeroplanes, all certified models except A330-223F and A330-243F, all MSN; and

Airbus A340 aeroplanes, all certified models, all MSN.

Definitions:

For the purpose of this AD, the following definitions apply:

All certified models: This includes all models (of a type design) that were certified before 29 July 2021 [the publication date of the original issue of EASA AD 2021-0180].



Affected part: Oxygen cylinders, having Part Number (P/N) 89794077, P/N 89794015 or P/N 891511-14, identified as Batch 1 and Batch 2 in this AD, except those that have passed an inspection (marked with blue dot) in accordance with the instructions of the AOT or the SB.

Batches: Batch 1 are affected parts having a serial number (s/n) as listed in Appendix 1 of the SB at original issue. Batch 2 are affected parts having an s/n as listed in Appendix 2 of the SB at Revision 03.

Serviceable part: Oxygen cylinders which are not an affected part.

The SB: SAFRAN (AVOX Systems, Inc.) Service Bulletin (SB) 10015804-35-01 Revision 03.

The AOT: Airbus Alert Operators Transmission (AOT) A35W014-19 (A300/A310), AOT A35L013-19 (A330/A340) and AOT A35N012-19 (A318 through A321), as applicable, which refer for accomplishment instructions to the SB.

Reason:

Several occurrences were reported of a cylinder and hand valve with oxygen leakage from the valve assembly vent hole. The technical investigation identified that an internal part (guide) was not assembled onto the stem. It was determined that a batch of oxygen cylinders produced in 2018 is potentially affected by this manufacturing discrepancy.

This condition, if not detected and corrected, could lead to a reduction of the available oxygen capacity of the aeroplane, possibly resulting in injury to aeroplane occupants following a depressurization event. In addition, there is a possibility of ignition/fire in flight in case of an open hand valve assembly failure, depending on installation zone, or ignition/fire during system ground testing following (re)installation on an aeroplane, possibly resulting in injury to aeroplane occupants or maintenance staff, respectively.

To address this potential unsafe condition, Airbus issued the AOT (original issue) to provide inspection instructions, and consequently EASA issued AD 2019-0085 to require a one-time inspection of each affected part (Batch 1) and, depending on findings, replacement with a serviceable part. That AD also prohibited (re)installation of an affected part on any aeroplane.

After that AD was issued, additional affected parts (Batch 2) were identified by SAFRAN (AVOX Systems, Inc.) and consequently EASA issued AD 2021-0180 (later revised), retaining the requirements of EASA AD 2019-0085, which was superseded, expanding the list of affected parts in accordance with the revised AOT and the SB, as defined in this AD.

After EASA AD 2021-0180R1 was issued, FAA issued "equipment" AD 2022-04-09, which was supposed to address the same unsafe condition as EASA AD 2021-0180R1. Therefore, FAA AD 2022-04-09 was adopted and EASA published PAD 22-032-CN, proposing cancellation of EASA AD 2021-0180R1. However, during the consultation period it became clear that the FAA AD did not fully cover all the requirements of EASA AD 2021-0180R1. Consequently, EASA issued AD 2021-0180R2 instead of the cancellation.



Since that AD was issued, FAA issued [AD 2023-13-11](#), which has been adopted by EASA and (now) completely takes over all the requirements of EASA AD 2021-0180R2, which is therefore no longer necessary.

For the reasons described above, this Notice proposes to cancel EASA AD 2021-0180R2.

Required Action(s) and Compliance Time(s):

None.

Ref. Publications:

Airbus AOT A35W014-19 original issue dated 06 March 2019, or Revision 01 dated 22 June 2021.

Airbus AOT A35L013-19 original issue dated 06 March 2019, or Revision 01 dated 22 June 2021.

Airbus AOT A35N012-19 original issue dated 06 March 2019, or Revision 01 dated 22 June 2021.

The use of the instructions of the above-mentioned documents, or later approved revisions thereof, is acceptable for compliance with the requirements of FAA AD 2023-13-11, provided the compliance times of that AD are not exceeded.

SAFRAN / AVOX Systems, Inc. SB 10015804-35-01 original issue dated 06 March 2019, or Revision 01 dated 06 July 2019, or Revision 02 dated 16 October 2019, or Revision 03 dated 07 June 2021.

Remarks:

1. This Proposed AD-CN will be closed for consultation on 31 August 2023.
2. Enquiries regarding this PAD-CN should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. For any question concerning the technical content of this PAD-CN, please contact AIRBUS, as applicable, as specified below:
 EIAW Airworthiness Office E-mail: continued.airworthiness-wb.external@airbus.com;
 EIAS Airworthiness Office E-mail: account.airworth-eas@airbus.com;
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