

These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

### Applicability

As discussed above, these special conditions are applicable to the Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. Should Airbus apply at a later date for a change to the type certificate to include another model incorporating the same novel or unusual design feature, these special conditions would apply to that model as well.

### Conclusion

This action affects only a certain novel or unusual design feature on Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. It is not a rule of general applicability.

### List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

### Authority Citation

The authority citation for these special conditions is as follows:

**Authority:** 49 U.S.C. 106(f), 106(g), 40113, 44701, 44702, 44704.

### The Special Conditions

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type certification basis for Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes.

1. The applicant must ensure that the design provides isolation from, or airplane electronic system security protection against, access by unauthorized sources internal to the airplane. The design must prevent inadvertent and malicious changes to, and all adverse impacts upon, airplane equipment, systems, networks, or other assets required for safe flight and operations.

2. The applicant must establish appropriate procedures to allow the operator to ensure that continued airworthiness of the aircraft is maintained, including all post type certification modifications that may have an impact on the approved electronic system security safeguards.

Issued in Des Moines, Washington, on December 12, 2018.

**Victor Wicklund,**

*Manager, Transport Standards Branch, Policy and Innovation Division, Aircraft Certification Service.*

[FR Doc. 2018-27818 Filed 12-21-18; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 25

**[Docket No. FAA-2018-1053; Special Conditions No. 25-739-SC]**

#### **Special Conditions: Airbus Model A330-200, A330-200F, A330-300 and A330-900 Series Airplanes; Electronic System Security Protection From Unauthorized External Access**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final special conditions; request for comments.

**SUMMARY:** These special conditions are issued for the Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. These airplanes will have a novel or unusual design feature when compared to the state of technology envisioned in the airworthiness standards for transport category airplanes. This design feature is airplane electronic systems and networks that allow access from external sources (*e.g.*, wireless devices, internet connectivity) to the airplane's internal electronic components. The applicable airworthiness regulations do not contain adequate or appropriate safety standards for this design feature. These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

**DATES:** This action is effective on Airbus on December 26, 2018. Send comments on or before February 11, 2019.

**ADDRESSES:** Send comments identified by Docket No. FAA-2018-1053 using any of the following methods:

- *Federal eRegulations Portal:* Go to <http://www.regulations.gov/> and follow the online instructions for sending your comments electronically.

- *Mail:* Send comments to Docket Operations, M-30, U.S. Department of Transportation (DOT), 1200 New Jersey Avenue SE, Room W12-140, West Building Ground Floor, Washington, DC 20590-0001.

- *Hand Delivery or Courier:* Take comments to Docket Operations in Room W12-140 of the West Building Ground Floor at 1200 New Jersey Avenue SE, Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

- *Fax:* Fax comments to Docket Operations at 202-493-2251.

*Privacy:* The FAA will post all comments it receives, without change, to <http://www.regulations.gov/>, including any personal information the commenter provides. Using the search function of the docket website, anyone can find and read the electronic form of all comments received into any FAA docket, including the name of the individual sending the comment (or signing the comment for an association, business, labor union, etc.). DOT's complete Privacy Act Statement can be found in the **Federal Register** published on April 11, 2000 (65 FR 19477-19478).

*Docket:* Background documents or comments received may be read at <http://www.regulations.gov/> at any time. Follow the online instructions for accessing the docket or go to Docket Operations in Room W12-140 of the West Building Ground Floor at 1200 New Jersey Avenue SE, Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

**FOR FURTHER INFORMATION CONTACT:** Thuan Nguyen, Airplane and Flight Crew Interface Section, AIR-671, Transport Standards Branch, Policy and Innovation Division, Aircraft Certification Service, Federal Aviation Administration, 2200 South 216th Street, Des Moines, Washington 98198; telephone and fax 206-231-3365; email [Thuan.T.Nguyen@faa.gov](mailto:Thuan.T.Nguyen@faa.gov).

#### **SUPPLEMENTARY INFORMATION:**

The substance of these special conditions has been published in the **Federal Register** for public comment in several prior instances with no substantive comments received. Therefore, the FAA has determined that prior public notice and comment are unnecessary, and finds that, for the same reason, good cause exists for adopting these special conditions upon publication in the **Federal Register**.

#### **Comments Invited**

We invite interested people to take part in this rulemaking by sending written comments, data, or views. The most helpful comments reference a specific portion of the special conditions, explain the reason for any recommended change, and include supporting data.

We will consider all comments we receive by the closing date for comments. We may change these special conditions based on the comments we receive.

### Background

On January 20, 2015, Airbus applied for an amendment to Type Certificate No. A46NM to include the new Model A330-900 series airplane. The Airbus Model A330-900 series airplane is a derivative of the Model A330-300 series airplane currently approved under Type Certificate No. A46NM.

On August 9, 2018, Airbus applied for a change to Type Certificate No. A46NM for the installation of electronic system architecture or Flight Operations and Maintenance Exchanger (FOMAX) equipment in Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. These airplanes are twin-engine, transport category airplanes with a maximum passenger seating capacity of 406 for the A330-200 series and a maximum passenger seating capacity of 440 for the A330-300 and A330-900 series airplanes. These airplanes have a maximum takeoff weight of 533,518 pounds.

### Type Certification Basis

Under the provisions of title 14, Code of Federal Regulations (14 CFR) 21.101, Airbus must show that the Model A330-900 series airplane and the Model A330-200, A330-200F, and A330-300 series airplanes, as changed, meet the applicable provisions of the regulations listed in Type Certificate No. A46NM, or the applicable regulations in effect on the date of application for the change, except for earlier amendments as agreed upon by the FAA.

If the Administrator finds that the applicable airworthiness regulations (*i.e.*, 14 CFR part 25) do not contain adequate or appropriate safety standards for the Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes because of a novel or unusual design feature, special conditions are prescribed under the provisions of § 21.16.

Special conditions are initially applicable to the model for which they are issued. Should the type certificate for that model be amended later to include any other model that incorporates the same novel or unusual design feature, or should any other model already included on the same type certificate be modified to incorporate the same novel or unusual design feature, these special conditions would also apply to the other model under § 21.101.

In addition to the applicable airworthiness regulations and special conditions, the Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes must comply with the fuel vent and exhaust emission requirements of 14 CFR part 34 and the noise certification requirements of 14 CFR part 36.

The FAA issues special conditions, as defined in 14 CFR 11.19, in accordance with § 11.38, and they become part of the type certification basis under § 21.101.

### Novel or Unusual Design Features

The Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes will incorporate the following novel or unusual design feature:

The installation and activation of electronic network system architecture or Flight Operations and Maintenance Exchanger (FOMAX) equipment that allows access from external sources (*e.g.*, wireless devices, internet connectivity) to the airplane's internal electronic components.

### Discussion

The Airbus airplane Model A330-200, A330-200F, A330-300, and A330-900 series architecture and network configuration may allow increased connectivity to, and access from, external network sources and airline operations and maintenance networks to the aircraft control domain and airline information services domain. The aircraft control domain and airline information services domain perform functions required for the safe operation and maintenance of the airplane. Previously, these domains had very limited connectivity with external network sources. The architecture and network configuration may allow the exploitation of network security vulnerabilities resulting in intentional or unintentional destruction, disruption, degradation, or exploitation of data, systems, and networks critical to the safety and maintenance of the airplane.

The existing regulations and guidance material did not anticipate these types of airplane system architectures. Furthermore, 14 CFR regulations and the current system safety assessment policy and techniques do not address potential security vulnerabilities, which could be exploited by unauthorized access to airplane networks, data buses, and servers. Therefore, these special conditions are to ensure that the security (*i.e.*, confidentiality, integrity, and availability) of airplane systems is not compromised by unauthorized wired or wireless electronic connections.

These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

### Applicability

As discussed above, these special conditions are applicable to the Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. Should Airbus apply at a later date for a change to the type certificate to include another model incorporating the same novel or unusual design feature, these special conditions would apply to that model as well.

### Conclusion

This action affects only a certain novel or unusual design feature on Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes. It is not a rule of general applicability.

### List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

### Authority Citation

The authority citation for these special conditions is as follows:

**Authority:** 49 U.S.C. 106(f), 106(g), 40113, 44701, 44702, 44704.

### The Special Conditions

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type certification basis for Airbus Model A330-200, A330-200F, A330-300, and A330-900 series airplanes.

1. The applicant must ensure that the airplane electronic systems are protected from access by unauthorized sources external to the airplane, including those possibly caused by maintenance activity.
2. The applicant must ensure that electronic system-security threats are identified and assessed, and that effective electronic system-security protection strategies are implemented to protect the airplane from all adverse impacts on safety, functionality, and continued airworthiness.
3. The applicant must establish appropriate procedures to allow the operator to ensure that continued airworthiness of the aircraft is maintained, including all post type certification modifications that may have an impact on the approved electronic system security safeguards.

Issued in Des Moines, Washington, on December 12, 2018.

**Victor Wicklund,**

*Manager, Transport Standards Branch, Policy and Innovation Division, Aircraft Certification Service.*

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2016-9392; Product Identifier 2016-NM-003-AD; Amendment 39-19499; AD 2018-23-12]

RIN 2120-AA64

#### Airworthiness Directives; Zodiac Aero Evacuation Systems (Also Known as Air Cruisers Company) Airplanes

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; correction.

**SUMMARY:** The FAA is correcting an airworthiness directive (AD) that published in the **Federal Register**. That AD applies to Zodiac Aero Evacuation Systems (also known as Air Cruisers Company) fusible plugs installed on emergency evacuation equipment for various transport category airplanes. As published, the email address for requesting service information specified in the preamble and regulatory text is incorrect. This document corrects that error. In all other respects, the original document remains the same.

**DATES:** This correction is effective December 28, 2018.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of December 28, 2018 (83 FR 59290, November 23, 2018).

**ADDRESSES:** For service information identified in this final rule, contact Air Cruisers, 1747 State Route 34, Wall Township, NJ 07727-3935; phone 732-681-3527; email [ZAESTechPubs@zodiac aerospace.com](mailto:ZAESTechPubs@zodiac aerospace.com). You may view this referenced service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9392.

#### Examining the AD Docket

You may examine the AD docket on the internet at <http://www.regulations.gov>

by searching for and locating Docket No. FAA-2016-9392; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for Docket Operations (phone: 800-647-5527) is, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

#### FOR FURTHER INFORMATION CONTACT:

Darren Gassetto, Aerospace Engineer, Mechanical Systems and Admin Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7323; fax 516-794-5531; email [9-avs-nyaco-cos@faa.gov](mailto:9-avs-nyaco-cos@faa.gov).

**SUPPLEMENTARY INFORMATION:** As published, AD 2018-23-12, Amendment 39-19499 (83 FR 59290, November 23, 2018) (“AD 2018-23-12”), requires an inspection of the fusible plugs to determine the part number and lot number, and replacement of certain fusible plugs. That AD applies to fusible plugs installed on emergency evacuation equipment for various transport category airplanes.

#### Need for the Correction

As published, the email address for service information specified in the **ADDRESSES** section of the preamble and paragraph (l)(3) of the regulatory text of AD 2018-23-12 is incorrect. The email address [technicalpublications@zodiac aerospace.com](mailto:technicalpublications@zodiac aerospace.com) was given for requesting service information identified in AD 2018-23-12; the correct email address is [ZAESTechPubs@zodiac aerospace.com](mailto:ZAESTechPubs@zodiac aerospace.com).

#### Related Service Information Under 14 CFR Part 51

We reviewed the following Air Cruisers service information. The service information identifies the affected fusible plugs. In addition, it describes procedures for inspecting and replacing affected fusible plugs. These documents are distinct since they apply to different airplane models or configurations.

- Air Cruisers Service Bulletin 737 103-25-50, dated August 27, 2010.
- Air Cruisers Service Bulletin 757 105-25-80, dated August 27, 2010.
- Air Cruisers Service Bulletin 757 105-25-81, dated August 27, 2010.
- Air Cruisers Service Bulletin 767 106-25-10, Rev. No. 1, dated October 15, 2010.

- Air Cruisers Service Bulletin 777 107-25-29, Rev. No. 1, dated July 8, 2011.

- Air Cruisers Service Bulletin A300/A310 001-25-19, dated August 27, 2010.

- Air Cruisers Service Bulletin A300/A310 003-25-33, dated August 27, 2010.

- Air Cruisers Service Bulletin A310 002-25-08, dated August 27, 2010.

- Air Cruisers Service Bulletin A320 004-25-87, Rev. No. 2, dated January 7, 2011.

- Air Cruisers Service Bulletin A321 005-25-21, dated August 27, 2010.

- Air Cruisers Service Bulletin BAe 146 201-25-23, dated December 10, 2010.

- Air Cruisers Service Bulletin F28 352-25-02, dated December 10, 2010.

- Air Cruisers Service Bulletin F100 351-25-07, dated December 10, 2010.

- Air Cruisers Service Bulletin Liferaft 35-25-79, dated August 27, 2010.

- Air Cruisers Service Bulletin MD11 305-25-35, dated August 27, 2010.

- Air Cruisers Service Bulletin MD80/90/717 304-25-45, dated August 27, 2010.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the **ADDRESSES** section.

#### Correction of Publication

This document corrects an error and correctly adds the AD as an amendment to 14 CFR 39.13. Although no other part of the preamble or regulatory information has been corrected, we are publishing the entire rule in the **Federal Register**.

The effective date of this AD remains December 28, 2018.

Since this action only corrects the email address for requesting service information, it has no adverse economic impact and imposes no additional burden on any person. Therefore, we have determined that notice and public procedures are unnecessary.

#### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

#### Adoption of the Correction

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows: