The NRC may post materials related to this document, including public comments, on the Federal Rulemaking website at http://www.regulations.gov under Docket ID NRC–2018–0221. The Federal Rulemaking website allows you to receive alerts when changes or additions occur in a docket folder. To subscribe: (1) Navigate to the docket folder (NRC–2018–0221); (2) click the “Sign up for Email Alerts” link; and (3) enter your email address and select how frequently you would like to receive emails (daily, weekly, or monthly).

List of Subjects in 10 CFR Part 72

Administrative practice and procedure, Hazardous waste, Indians, Intergovernmental relations, Nuclear energy, Penalties, Radiation protection, Reporting and recordkeeping requirements, Security measures, Whistleblowing.

For the reasons set out in the preamble and under the authority of the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, as amended; the Nuclear Waste Policy Act of 1982, as amended; and 5 U.S.C. 552 and 553; the NRC is adopting the following amendments to 10 CFR part 72:

PART 72—LICENSING REQUIREMENTS FOR THE INDEPENDENT STORAGE OF SPENT NUCLEAR FUEL, HIGH-LEVEL RADIOACTIVE WASTE, AND REACTOR-RELATED GREATER THAN CLASS C WASTE

1. The authority citation for part 72 continues to read as follows:


2. In § 72.214, Certificate of Compliance 1014 is revised to read as follows:

§ 72.214 List of approved spent fuel storage casks.

| Certificate Number: 1014. |
| Amendment Number 1 Effective Date: July 15, 2002. |
| Amendment Number 2 Effective Date: June 7, 2005. |
| Amendment Number 3 Effective Date: May 29, 2007. |
| Amendment Number 4 Effective Date: January 8, 2008. |
| Amendment Number 5 Effective Date: July 14, 2008. |
| Amendment Number 6 Effective Date: August 17, 2009. |
| Amendment Number 7 Effective Date: December 28, 2009. |
| Amendment Number 8 Effective Date: May 2, 2012, as corrected on November 16, 2012 (ADAMS Accession No. ML12213A170); superseded by Amendment Number 8, Revision 1, Effective Date: February 16, 2016. |
| Amendment Number 8, Revision 1, Effective Date: February 16, 2016. |
| Amendment Number 9 Effective Date: March 11, 2014, superseded by Amendment Number 9, Revision 1, on March 21, 2016. |
| Amendment Number 9, Revision 1, Effective Date: March 21, 2016, as corrected (ADAMS Accession No. ML17236A451). |
| Amendment Number 10 Effective Date: May 31, 2016, as corrected (ADAMS Accession No. ML17236A452). |
| Amendment Number 11 Effective Date: February 25, 2019. |
| Amendment Number 12 Effective Date: February 25, 2019. |
| Safety Analysis Report Title: Final Safety Analysis Report for the HI–STORM 100 Cask System. |
| Docket Number: 72–1014. |
| Model Number: HI–STORM 100. |

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Airbus SAS Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for all Airbus SAS Model A330–200, A330–200 Freighter, and A330–300 series airplanes. This AD was prompted by reports of dual flight management system (FMS) resets with the loss of flight plan (F–PLN) data. This AD requires revising the airplane flight manual (AFM) to prohibit required navigation performance-authorization required (RNP–AR) operations using flight management guidance envelope computer (FMGEC) standard P5H3. This AD would also require modifying the FMS software of airplanes equipped with FMGEC standard P5H3. We are issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective January 16, 2019.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of January 16, 2019.

ADDRESSES: For service information identified in this final rule, contact Airbus SAS, Airworthiness Office—EAL, Rond-Point Emile Dewoitine No: 2, 31700 Blagnac Cedex, France, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330– A340@airbus.com; Internet http://www.airbus.com. You may view this 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–2018–0584.

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–2018–0584; 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 final rule, 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:
Vladimir Ulyanov, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206–231–3229.

SUPPLEMENTARY INFORMATION:

Discussion
We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all Airbus SAS Model A330–200, A330–200 Freighter, and A330–300 series airplanes. The NPRM published in the Federal Register on July 18, 2018 (83 FR 33873). The NPRM was prompted by reports of dual FMS resets with the loss of F–FLN data. The NPRM proposed to require revising the AFM to prohibit RNP–AR operations using FMGEC standard P5H3. The NPRM also proposed to require modifying the FMS software of airplanes equipped with FMGEC standard P5H3.

We are issuing this AD to address dual FMS reset and loss of F–FLN data, which in the context of RNP–AR operations of the airplane could result in significantly reduced situational awareness of proximity to terrain and/or other aircraft to below acceptable safety margins, and out of the context of RNP–AR operations could lead to an unusually high pilot workload.

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2017–0233, dated July 18, 2018. This service information describes the operational restrictions for Airbus A330/A340 airplanes. The EASA AD requires amendment of the applicable AFM and operating the aeroplane accordingly, and requires FMS software downgrading of aeroplanes with FMGEC standard P5H3.


Comments
We gave the public the opportunity to participate in developing this final rule. The following presents the comments received on the NPRM and the FAA’s response to each comment.

Support for the NPRM
Air Line Pilots Association, International (ALPA) stated its support for the NPRM.

Request To Revise Applicability
Delta Air Lines (DAL) requested that we revise the applicability of the proposed AD to state that the AD is not effective for airplanes that have a Thales FMS installed. DAL justified the request by stating that the applicability of the proposed AD was too general, and removing airplanes with a Thales FMS installed from the applicability would not result in a decrease in safety, because the action is intended only for airplanes with a Honeywell FMS installed.

We disagree with DAL’s request because FMGEC standard P5H3 can be embodied in production or in service on both Thales and Honeywell FMS. Further, this AD requires modification of Groups 1 and 2 airplanes in accordance with Airbus Service Bulletin A330–22–3264, dated March 14, 2018, which requires prior or simultaneous accomplishment of prerequisite Airbus SAS service information applicable to airplanes with a Honeywell FMS, Release 2, or a Thales flight guidance card. We have not changed this AD in this regard.

Request To Develop New Software Standard
ALPA suggested that a temporary downgrate of the FMS software from P5H3 standard to P4A standard is a short-term fix, and recommended that a new software standard be developed. ALPA contends that the new software standard should eliminate the potential of dual FMS resets, which could lead to loss of flight plan data, while incorporating the features of the advanced P5H3 standard.

We disagree with ALPA’s request. The unsafe condition of dual FMS resets, which could lead to loss of flight plan data, was introduced by the FMS software P5H3 standard. The unsafe condition is eliminated by downgrading the FMS software to P4A standard, which is a permanent repair. The FAA acknowledges ALPA’s recommendation, and we might consider further rulemaking on this issue if Airbus proposes new software. We have not changed the AD in this regard.

Conclusion
We reviewed the relevant data, considered the comments received, and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. We have determined that these minor changes:

• Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and
• Do not add any additional burden upon the public than was already proposed in the NPRM.

Related Service Information Under 1 CFR Part 51
Airbus SAS has issued Service Bulletin A330–22–3264, dated March 14, 2018. This service information describes procedures to downgrade the FMS from P5 to P4A operational software on FMGEC standard P5H3 by embodying Modification 207362534542 on the affected airplanes.

Airbus SAS has issued A330/A340 AFM Temporary Revision TR774, RNP AR Operations Forbidden with FMGEC Standard P5H3, Issue 1, dated October 16, 2017, to the Airbus A330/A340 AFM. This service information describes the operational restrictions for
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.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency’s authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: “General requirements.” Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

This AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes and associated appliances to the Director of the System Oversight Division.

Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government. For the reasons discussed above, I certify that this AD:

(1) Is not a "significant regulatory action" under Executive Order 12866, (2) is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979), (3) Will not affect intrastate aviation in Alaska, and (4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

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

Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):


(a) Effective Date

This AD is effective January 16, 2019.

(b) Affected ADs

None.

(c) Applicability


(d) Subject

Air Transport Association (ATA) of America Code 22, Auto flight.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Definitions

For the purposes of this AD, the definitions in paragraphs (g)(1) through (g)(3) of this AD apply.


(2) Group 2 airplanes have the same configuration as those in Group 1, but in addition have RNP–AR (Airbus SAS Modification 203441, or Airbus SAS Modification 203442, or Airbus SAS Modification 200624) embodied in production or Airbus Service Bulletin A330–34–3262; Airbus Service Bulletin A330–34–
(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in paragraph (g)(1) or (g)(2) of this AD.

(ii) Airbus A330/A340 Airplane Flight Manual Temporary Revision TR774, RNP AR Operations Forbidden with FMGEC Standard P5H3, Issue 1, dated October 16, 2017. (TR774), and inform all flight crews, and, thereafter, operate the airplane accordingly, as specified in TR774. TR774 prohibits the RNP–AR operation on Airbus SAS Model A330 series airplanes equipped with FMGEC standard P5H3. Revising the AFM to include TR774 may be done by inserting a copy of TR774 in the AFM. When TR774 has been included in general revisions of the AFM, the general revisions may be inserted in the AFM, provided the relevant information in the general revision is identical to that in TR774, and TR774 may be removed. Note 1 to paragraph (h) of this AD: The Airbus A330/A340 AFM for the aircraft affected by this AD is required to be furnished with the aircraft, in accordance with 14 CFR 25.1581. Further, operators of the aircraft affected by this AD must operate in accordance with the limitations specified in the AFM, in accordance with 14 CFR 91.9.

(i) FMS Software Modification

(1) For Group 1 and Group 2 airplanes: Within 60 days after the effective date of this AD, modify the airplane by installing FMS software P4A (P/N FMS operational SW PS4087700–905) on FMGEC standard P5H3 (P/N FMGEC C13226HA007 with P/N FMS operational SW PS4087700–906), in accordance with the instructions of Airbus Service Bulletin A330–22–3264, dated March 14, 2018.

(2) For Group 2 airplanes: After modification of an airplane as required by paragraph (i)(1) of this AD, the AFM revision required by paragraph (h) of this AD may be removed from the AFM of that airplane.

(j) Optional Modification

For Group 3 airplanes: From the effective date of this AD, it is allowed to modify any airplane into a Group 1 or Group 2 configuration, provided that, concurrently, that airplane is modified in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330–22–3264, dated March 14, 2018.

(k) Credit for Previous Actions

This paragraph provides credit for the actions required by paragraph (i) of this AD and optional actions specified in paragraph (j) of this AD, if those actions were performed before the effective date of this AD using Airbus Alert Operators Transmission—AOT A22L002–17, dated October 20, 2017.

(l) Other FAA AD Provisions

The following provisions also apply to this AD:

3308; or Airbus Service Bulletin A330–34–3345; embodied in service.

(3) Group 3 airplanes are those in any configuration other than that identified in paragraph (g)(1) or (g)(2) of this AD.

(b) Airplane Flight Manual (AFM) Revision

For Group 2 airplanes: Within 30 days after the effective date of this AD, revise the Limitations section of the Airbus A330/A340 AFM to include the information in Airbus A330/A340 AFM Temporary Revision TR774, RNP AR Operations Forbidden with FMGEC Standard P5H3, Issue 1, dated October 16, 2017 (TR774), and inform all flight crews, and, thereafter, operate the airplane accordingly, as specified in TR774. TR774 prohibits the RNP–AR operation on Airbus SAS Model A330 series airplanes equipped with FMGEC standard P5H3. Revising the AFM to include TR774 may be done by inserting a copy of TR774 in the AFM. When TR774 has been included in general revisions of the AFM, the general revisions may be inserted in the AFM, provided the relevant information in the general revision is identical to that in TR774, and TR774 may be removed. Note 1 to paragraph (h) of this AD: The Airbus A330/A340 AFM for the aircraft affected by this AD is required to be furnished with the aircraft, in accordance with 14 CFR 25.1581. Further, operators of the aircraft affected by this AD must operate in accordance with the limitations specified in the AFM, in accordance with 14 CFR 91.9.

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(2) For Group 2 airplanes: After modification of an airplane as required by paragraph (i)(1) of this AD, the AFM revision required by paragraph (h) of this AD may be removed from the AFM of that airplane.

(j) Optional Modification

For Group 3 airplanes: From the effective date of this AD, it is allowed to modify any airplane into a Group 1 or Group 2 configuration, provided that, concurrently, that airplane is modified in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330–22–3264, dated March 14, 2018.

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(3) Group 3 airplanes are those in any configuration other than that identified in paragraph (g)(1) or (g)(2) of this AD.