

and vital program through September 30, 2007. Accordingly, the SBA also is extending its waiver of the certain Agency regulations identified in the **Federal Register** notice at 70 FR 69645 through September 30, 2007.

SBA's waiver of these provisions is authorized by Agency regulations. These waivers apply only to those loans approved under the GO Loan Pilot and will last only for the duration of the Pilot, which expires September 30, 2007. As part of the GO Loan Pilot, these waivers apply only to those small businesses located in, locating to or relocating in the parishes/counties that have been Presidentially-declared as disaster areas resulting from Hurricanes Katrina or Rita, plus any contiguous parishes/counties. (A list of all eligible parishes/counties is located at <http://www.sba.gov/financing/index.html>.)

(Authority: 15 U.S.C. 636(a)(24); 13 CFR 120.3)

Michael W. Hager,

Associate Deputy Administrator for Capital Access.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 25

[Docket No. NM353; Special Conditions No. 25-332-SC]

Special Conditions: Boeing Model 767-300 Series Airplanes; Forward Lower Lobe Crew Rest Module (CRM)

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final special conditions; request for comments.

SUMMARY: These special conditions are issued for Boeing Model 767-300 series airplanes. These airplanes, modified by TIMCO Aviation Services, Inc. (TIMCO), will have a novel or unusual design feature associated with a forward lower lobe crew rest module (CRM). 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: *Effective Date:* The effective date for these special conditions is

September 11, 2006 We must receive any comments by November 13, 2006.

ADDRESSES: Please mail two copies of your comments to: Federal Aviation Administration, Transport Airplane Directorate, *Attention:* Rules Docket (ANM-113), Docket No. NM353, 1601 Lind Avenue, SW., Renton, Washington 98057-3356. You may deliver two copies to the Transport Airplane Directorate at the same address. You must mark your comments: Docket No. NM353. You can inspect comments in the Rules Docket weekdays, except Federal holidays, between 7:30 a.m. and 4 p.m.

FOR FURTHER INFORMATION CONTACT: Jayson Claar, FAA, Airframe/Cabin Safety Branch, ANM-115, Transport Airplane Directorate, Aircraft Certification Service, 1601 Lind Avenue, SW., Renton, Washington, 98057-3356; telephone (425) 227-2194; facsimile (425) 227-1320.

SUPPLEMENTARY INFORMATION:

Comments Invited

The FAA has determined that notice and opportunity for prior public comment is impracticable, because these procedures would significantly delay certification and thus delivery of the affected airplanes. In addition, the substance of these special conditions has been subject to the public comment process in several prior instances with no comments received. The FAA, therefore, finds that good cause exists for making these special conditions effective upon issuance; however, 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 ask that you send us two copies of written comments.

We will file in the docket all comments we receive as well as a report summarizing each substantive public contact with FAA personnel concerning these special conditions. You may inspect the docket before and after the comment closing date. If you wish to review the docket in person, go to the address in the **ADDRESSES** section of this preamble between 7:30 a.m. and 4 p.m., Monday through Friday, except Federal holidays.

We will consider all comments we receive on or before the closing date for comments. We will consider comments filed late, if it is possible to do so without incurring expense or delay. We may change these special conditions, based on the comments we receive.

If you want the FAA to acknowledge receipt of your comments on these special conditions, include with your comments a pre-addressed, stamped postcard on which the docket number appears. We will stamp the date on the postcard and mail it back to you.

Background

On January 24, 2006, TIMCO Aviation Services, Inc. (TIMCO) applied for a supplemental type certificate to permit installation of a forward lower lobe crew rest module (CRM) in Boeing 767-300 series airplanes.

The CRM will be a one-piece, self-contained unit to be installed under the passenger cabin floor in the aft portion of the forward cargo compartment. It will be mounted on a pallet compatible with the existing cargo loading system and may be easily installed or removed from the aircraft. The CRM will be occupied only in flight—not during taxi, takeoff, or landing—and no more than six crewmembers may occupy it at a time. The module will have an approved berth able to withstand the maximum flight loads for each occupant permitted in it and will contain a smoke detection system, a fire-extinguishing system, an oxygen system, and occupant amenities.

The CRM requires two entry hatches in the main deck area. The floor structure will be modified to provide access for the main entry hatch and the emergency access hatch.

Type Certification Basis

Under the provisions of § 21.101, TIMCO must show that Boeing Model 767-300 series airplanes with the CRM continue to meet either:

(1) The applicable provisions of the regulations incorporated by reference in Type Certificate No. A1NM, or

(2) The applicable regulations in effect on the date of TIMCO's application for the change.

The regulations incorporated by reference in the type certificate are commonly referred to as the "original type certification basis." The certification basis for Boeing Model 767-300 series airplanes is 14 CFR part 25, as amended by Amendments 25-1 through 25-37. Refer to Type Certificate No. A1NM for a complete description of the certification basis for this model.

According to 14 CFR 21.16, if the Administrator finds that the applicable airworthiness regulations do not contain adequate or appropriate safety standards for the Boeing Model 767-300 series airplanes because of a novel or unusual design feature, she or he prescribes special conditions for the airplane.

As defined in 14 CFR 11.19, special conditions are issued in accordance with 14 CFR 11.38 and become part of the type certification basis in accordance with 14 CFR 21.101.

Special conditions are initially applicable to the model for which they are issued. If the type certificate for that model is amended to include any other model that incorporates the same or similar novel or unusual design feature, the special conditions would also apply to that model. Similarly, if any other model already included on the same type certificate is modified to incorporate the same or similar novel or unusual design feature, the special conditions would apply to that other model under the provisions of 14 CFR 21.101.

In addition to the applicable airworthiness regulations and special conditions, Boeing Model 767-300 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.

Novel or Unusual Design Features

While installation of a CRM is not a new concept for large transport category airplanes, each module has unique features based on its design, location, and use. The CRM to be installed on the Boeing Model 767-300 series airplanes is novel in that

- (1) It will be located below the passenger cabin floor in the aft portion of the forward cargo compartment, and
- (2) It has a maintenance door, which allows access to and from the cargo compartment.

Because of the novel or unusual features associated with the installation of a CRM, special conditions are considered necessary to provide a level of safety equal to that established by the airworthiness regulations incorporated by reference in the type certificates of these airplanes. These special conditions do not negate the need to address other applicable part 25 regulations.

Operational Evaluations and Approval

These special conditions specify requirements for design approvals (i.e., type design changes and supplemental type certificates) of CRMs administered by the FAA's Aircraft Certification Service. The FAA's Flight Standards Service, Aircraft Evaluation Group, must evaluate and approve the "basic suitability" of the CRM for occupation by crewmember before the module may be used. If an operator wishes to use a CRM as "sleeping quarters," the module must undergo an additional operational

evaluation and approval. The Aircraft Evaluation Group would evaluate the CRM for compliance to §§ 121.485(a) and 121.523(b), with Advisory Circular 121-31, *Flight Crew Sleeping Quarters and Rest Facilities*, providing one method of compliance to these operational regulations.

To obtain an operational evaluation, the supplemental type design holder must contact the Aircraft Evaluation Group within the Flight Standards Service which has operational approval authority for the project. In this instance, it is the Seattle Aircraft Evaluation Group. The supplemental type design holder must request a "basic suitability" evaluation or a "sleeping quarters" evaluation of the crew rest module. The supplemental type design holder may make this request concurrently with the demonstration of compliance with these special conditions.

The Boeing Model 767-300 Flight Standardization Board Report Appendix will document the results of these evaluations. In discussions with the FAA Principal Operating Inspector, individual operators may refer to these standardized evaluations as the basis for an operational approval, instead of an on-site operational evaluation.

Any change to the approved CRM configuration requires an operational re-evaluation and approval, if the change affects any of the following:

- Procedures for emergency egress of crewmembers,
- Other safety procedures for crewmembers occupying the CRM, or
- Training related to these procedures.

The applicant for any such change is responsible for notifying the Seattle Aircraft Evaluation Group that a new evaluation of the CRM is required.

All instructions for continued airworthiness, including service bulletins, must be submitted to the Seattle Aircraft Evaluation Group for approval before the FAA approves the modification.

Discussion of Proposed Special Conditions No. 9 and 12

The following clarifies the intent of proposed Special Condition No. 9 relative to the requirements of § 25.1439(a):

Amendment 25-38 modified the requirements of § 25.1439(a) by adding,

"In addition, protective breathing equipment must be installed in each isolated separate compartment in the airplane, including upper and lower lobe galleys, in which crewmember occupancy is permitted during flight for the maximum number of crewmembers expected to be in the area during any operation."

The CRM is an isolated, separate compartment, so § 25.1439(a) is applicable. However, the requirements of § 25.1439(a) for protective breathing equipment in isolated, separate compartments are not appropriate, because the CRM is novel and unusual in terms of the number of occupants.

In 1976 when Amendment 25-38 was adopted, small galleys were the only isolated, separate compartments that had been certificated. Two crewmembers were the maximum expected to occupy those galleys.

These special conditions address a CRM which can accommodate up to six crewmembers. This number of occupants in an isolated, separate compartment was not envisioned at the time Amendment 25-38 was adopted. It is not appropriate for all occupants to don protective breathing equipment in the event of a fire, because the first action should be for each occupant to leave the confined space, unless that occupant is fighting the fire. Taking the time to don protective breathing equipment would prolong the time for the emergency evacuation of the occupants and possibly interfere with efforts to extinguish the fire.

In regard to proposed Special Condition No. 12, the FAA considers that during the 1-minute smoke detection time, penetration of a small quantity of smoke from the this forward lower lobe CRM into an occupied area of the airplane would be acceptable, given the limitations in these special conditions. The FAA considers that the special conditions place sufficient restrictions on the quantity and type of material allowed in crew carry-on bags that the threat from a fire in the remote CRM would be equivalent to the threat from a fire in the main cabin.

Applicability

As discussed above, these special conditions are applicable to Boeing Model 767-300 series airplanes as modified by TIMCO to include a forward lower lobe CRM. If TIMCO applies at a later date for a change to the supplemental type certificate to include another model listed on the same type certificate data sheet which incorporates the same or similar novel or unusual design feature, these special conditions would also apply to that model.

Conclusion

This action affects only certain novel or unusual design features on Boeing Model 767-300 series airplanes. It is not a rule of general applicability, and it affects only the applicant which applied to the FAA for approval of these features on the airplane.

List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

■ The authority citation for these special conditions is as follows:

Authority: 49 U.S.C. 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 the Boeing Model 767-300 series airplanes, modified by TIMCO.

1. Occupancy of the forward lower lobe crew rest module (CRM) is limited to the total number of installed bunks and seats in each module. There must be an approved seat or berth able to withstand the maximum flight loads when occupied for each occupant permitted in the CRM. The maximum occupancy in the CRM is six.

(a) There must be appropriate placard(s) displayed in a conspicuous place at each entrance to the CRM to indicate the following:

(1) The maximum number of occupants;

(2) Occupancy is restricted to crewmembers who are trained in evacuation procedures for the CRM;

(3) Occupancy is prohibited during taxi, take-off and landing;

(4) Smoking is prohibited in the CRM;

(5) Hazardous quantities of flammable fluids, explosives, or other dangerous cargo are prohibited in the CRM.

(6) Stowage in the CRM must be limited to emergency equipment, airplane-supplied equipment (e.g., bedding), and crew personal luggage. Cargo or passenger baggage is not allowed.

(b) There must be at least one ashtray located conspicuously on or near the entry side of any entrance to the CRM.

(c) There must be a means to prevent passengers from entering the CRM in the event of an emergency or when no flight attendant is present.

(d) There must be a means for any door installed between the CRM and the passenger cabin to be opened quickly from inside the module, even when crowding occurs at each side of the door.

(e) For all doors installed in the evacuation routes, there must be a means to prevent anyone from being trapped inside the module. If a locking mechanism is installed, it must be capable of being unlocked from the outside without the aid of special tools. The lock must not prevent opening from the inside of the module at any time.

2. There must be at least two emergency evacuation routes, each of which can be used by each occupant of the CRM to rapidly evacuate to the main cabin. The exit door/hatch for each route must be able to be closed from the main cabin after evacuation of the CRM. In addition—

(a) The routes must be located with one at each end of the module or with two having sufficient separation within the module and between the routes to minimize the possibility of an event (either inside or outside the CRM) rendering both routes inoperative.

(b) The routes must minimize the possibility of blockage which might result from fire, mechanical or structural failure or from persons standing on top of or against the escape route. If an evacuation route uses an area where normal movement of passengers occurs, it must be demonstrated that passengers would not impede egress to the main deck. If a hatch is installed in an evacuation route, the point at which the evacuation route terminates in the passenger cabin should not be located where normal movement by passengers or crew occurs. Examples include the main aisle, cross aisle, passageway, or galley complex. If it is not possible to avoid such a location there must be a means of ensuring that the hatch or door can be opened when a person, the weight of a ninety-fifth percentile male, is standing on the hatch or door. The use of evacuation routes must not depend on any powered device. If there is low headroom at or near an evacuation route, there must be provisions to prevent or to protect occupants of the CRM from head injury.

(c) There must be emergency evacuation procedures, including procedures for the emergency evacuation of an incapacitated occupant from the crew rest module. All of these procedures must be transmitted to all operators for incorporation into their training programs and appropriate operational manuals.

(d) There must be a limitation in the Airplane Flight Manual or other suitable means of requiring training in the use of evacuation routes for the crewmembers.

3. There must be a means for the evacuation of an incapacitated person representative of a 95th percentile male from the CRM to the passenger cabin floor. The evacuation must be demonstrated for all evacuation routes. A flight attendant or other crewmember (a total of one assistant within the CRM) may provide assistance in the evacuation. Up to three persons in the main passenger compartment may provide additional assistance. For evacuation routes having stairways, the

additional assistants may descend to one half the elevation change from the main deck to the lower deck compartment or to the first landing, whichever is higher.

4. The following signs and placards must be provided in the CRM:

(a) At least one exit sign located near each exit which meets the requirements of § 25.812(b)(1)(i) at Amendment 25-58. However, the exit sign may have a reduced background area of no less than 5.3 square inches (excluding the letters), provided that it is installed so that the material surrounding the exit sign is light in color (e.g., white, cream or light beige). If the material surrounding the exit sign is not light in color, an exit sign with a minimum of a one-inch wide background border around the letters would also be acceptable.

(b) An appropriate placard located near each exit, defining the location and the operating instructions for each evacuation route;

(c) Placards must be readable from a distance of 30 inches under emergency lighting conditions; and

(d) The exit handles and placards for each evacuation route (see 4.(b) above) must be illuminated to at least 160 micro lamberts under emergency lighting conditions.

5. In the event of failure of the airplane's main power system or of the normal lighting system for the CRM, there must be a means to automatically provide emergency illumination to the CRM.

(a) This emergency illumination must be independent of the main lighting system.

(b) The sources of general cabin illumination may be common to both the emergency and the main lighting systems, if the power supply to the emergency lighting system is independent of the power supply to the main lighting system.

(c) The illumination level must be sufficient for the occupants of the CRM to locate and transfer to the main passenger cabin floor by means of each evacuation route.

(d) If the privacy curtains are in the closed position, the illumination level must be sufficient for each occupant of the CRM to locate a deployed oxygen mask.

6. There must be means for two-way voice communications between crewmembers on the flightdeck and occupants of the CRM. There must also be public address system microphones at each flight attendant seat which is required to be near a floor level exit in the passenger cabin per § 25.785(h) at Amendment 25-51. The public address system must allow two-way voice

communications between flight attendants and the occupants of the CRM. However, one microphone may serve more than one exit, if the proximity of the exits allows unassisted verbal communication between seated flight attendants.

7. There must be a means for manual activation of an aural emergency alarm system, audible during normal and emergency conditions, to enable crewmembers on the flightdeck and at each pair of required floor level emergency exits to alert occupants of the CRM of an emergency situation. Use of a public address or crew interphone system will be acceptable, provided it has an adequate means of differentiating between normal and emergency communications. The system must be powered in flight for at least ten minutes after the shutdown or failure of all engines and auxiliary power units or the disconnection or failure of all power sources which depend on the continued operation of the engines and auxiliary power units.

8. There must be a means, readily detectable by seated or standing occupants of the CRM, of indicating when the occupants must fasten their seat belts. In the event there are no seats, there must be at least one means to address anticipated turbulence (e.g., sufficient handholds). Seat belt type restraints must be provided for berths and must be compatible for the sleeping attitude during cruise conditions. There must be a placard on each berth requiring that seat belts be fastened when the berth is occupied. If compliance with any of the other requirements of these special conditions is predicated on specific head location, there must be a placard identifying the head position.

9. In lieu of the requirements specified in § 25.1439(a) at Amendment 25–38 that pertain to isolated compartments and to provide a level of safety equivalent to that which is provided occupants of a small, isolated galley, the following equipment must be provided in the CRM:

(a) At least one approved hand-held fire extinguisher appropriate for the kinds of fires likely to occur;

(b) Protective breathing equipment approved to Technical Standard Order (TSO)—C116 (or equivalent) suitable for fire fighting for at least two persons. If there are three or more hand-held fire extinguishers, there must be protective breathing equipment for one person for each hand-held fire extinguisher; and

(c) One flashlight.

Note: Additional protective breathing equipment and fire extinguishers in specific

locations (beyond the minimum numbers prescribed in Special Condition No. 9) may be required as a result of any egress analysis accomplished to satisfy Special Condition No. 2(a).

10. There must be a smoke or fire detection system (or systems) to monitor each occupiable area within the CRM, including areas partitioned by curtains. Flight tests must be conducted to show compliance with this requirement. Each system (or systems) must provide the following:

(a) A visual indication to the flightdeck within one minute after the start of a fire;

(b) An aural warning in the CRM; and

(c) A warning in the main passenger cabin. This warning must be readily detectable by a flight attendant, taking into consideration the positioning of flight attendants throughout the main passenger compartment during various phases of flight.

11. The CRM must be designed so that fires within the CRM can be controlled without a crewmember entering the module or so that crewmembers equipped for fire fighting have unrestricted access to the module. The time for a crewmember on the main deck to react to the fire alarm, don protective gear (such as protective breathing equipment and gloves), obtain fire-fighting equipment, and gain access to the module must not exceed the time for the module to become smoke-filled, making it difficult to locate the fire source.

12. There must be a means to exclude hazardous quantities of smoke or extinguishing agent originating in the CRM from entering any other compartment occupied by crewmembers or passengers. Smoke entering any other compartment occupied by crewmembers or passengers when the entrance to the CRM is opened during an emergency evacuation must dissipate within five minutes after the entrance to the module is closed. Hazardous quantities of smoke may not enter any other compartment occupied by crewmembers or passengers during subsequent access to manually fight a fire in the CRM. (The amount of smoke entrained by a firefighter exiting the module through the access is not considered hazardous). During the 1 minute smoke detection time, penetration of a small quantity of smoke from the CRM into an occupied area is acceptable. Flight tests must be conducted to show compliance with this requirement.

If a built-in fire extinguishing system is used instead of manual fire fighting, the fire extinguishing system must be designed so that no hazardous quantities of extinguishing agent will

enter other compartments occupied by passengers or crew. The system must have adequate capacity to suppress any fire occurring in the CRM, considering the fire threat, the volume of the module, and the ventilation rate.

13. There must be a supplemental oxygen system equivalent to that provided for main deck passengers for each seat and berth in the CRM. The system must provide aural and visual signals to warn the occupants of the module to don oxygen masks in the event of decompression. The warning must activate before the cabin pressure altitude exceeds 15,000 feet and must sound continuously for a minimum of five minutes or until a reset push button in the CRM is depressed. Procedures for occupants of the CRM to follow in the event of decompression must be established. These procedures must be transmitted to the operators for incorporation into their training programs and appropriate operational manuals.

14. The following requirements apply to CRMs that are divided into several sections by curtains or partitions:

(a) To warn sleeping occupants, there must be an aural alert that can be heard in each section of the CRM and that accompanies automatic presentation of supplemental oxygen masks. In each section where seats or berths are not installed, there must be a visual indicator that occupants must don oxygen masks. A minimum of two supplemental oxygen masks is required for each seat or berth. There must also be a means by which crewmembers can manually deploy the oxygen masks from the flightdeck.

(b) There must be a placard adjacent to each curtain that visually divides or separates the CRM into small sections for privacy. The placard must specify that the curtain remains open when the private section it creates is unoccupied.

(c) For each section of the CRM created by a curtain, the following requirements of these special conditions apply both with the curtain open and with the curtain closed:

(1) Emergency illumination (Special Condition No. 5);

(2) Emergency alarm system (Special Condition No. 7);

(3) Seat belt fasten signal (see Special Condition No. 8) or return to seat signal, as applicable; and

(4) The smoke or fire detection system (Special Condition No. 10).

(d) Crew rest modules visually divided to the extent that evacuation could be affected must have exit signs that direct occupants to the primary stairway exit. There must be exit signs in each separate section of the CRM

which meet the requirements of § 25.812(b)(1)(i) at Amendment 25–58. An exit sign with reduced background area as described in Special Condition No. 4(a) may be used to meet this requirement.

(e) For sections within a CRM that are created by a partition with a door separating the sections, the following requirements of these special conditions must be met both with the door open and with the door closed:

(1) There must be a secondary evacuation route from each section to the maindeck. Alternatively, any door between the sections must preclude anyone from being trapped inside the compartment. Removal of an incapacitated occupant within this area must be considered. A secondary evacuation route from a small room designed for only one occupant for a short time, such as a changing area or lavatory, is not required. However, removal of an incapacitated occupant within this area must be considered.

(2) Any door between the sections must be openable when crowded against, even when crowding occurs at each side of the door.

(3) There may be no more than one door between any seat or berth and the primary stairway exit.

(4) There must be exit signs in each section which meet the requirements of § 25.812(b)(1)(i) at Amendment 25–58 that direct occupants to the primary stairway exit. An exit sign with reduced background area, as described in Special Condition No. 4(a), may be used to meet this requirement.

(5) The following Special Conditions apply both with the door open and with the door closed

- Special Conditions No. 5 (emergency illumination),
- No. 7 (emergency alarm system),
- No. 8 (fasten seat belt signal or return to seat signal, as applicable) and
- No. 10 (smoke or fire detection system) must be met.

(6) Special Conditions No. 6 (two-way voice communication) and No. 9 (emergency fire fighting and protective equipment) apply independently for each separate section, except for lavatories or other small areas that are not occupied for extended periods of time.

15. Each waste disposal receptacle must have a built-in fire extinguisher which discharges automatically upon occurrence of a fire in the receptacle.

16. Materials (including finishes or decorative surfaces applied to the materials) must comply with the flammability requirements of § 25.853 at Amendment 25–72 and mattresses must comply with the flammability requirements of § 25.853(b) and (c) at Amendment 25–72.

17. All lavatories within the CRM must meet the requirements for a lavatory installed on the main deck, except with regard to Special Condition No. 10 for smoke detection.

18. When a CRM is installed or enclosed as a removable module in part of a cargo compartment or is located directly adjacent to a cargo compartment without an intervening cargo compartment wall, the following apply:

- (a) Any wall of the module which forms part of the boundary of the

reduced cargo compartment subject to direct flame impingement from a fire in the cargo compartment and which includes any interface between the module and the airplane structure or systems must meet the applicable requirements of § 25.855 at Amendment 25–72.

(b) When the CRM is not installed, the fire protection level of the cargo compartment must comply with the following regulations:

- § 25.855 at Amendment 25–72,
- § 25.857 at Amendment 25–60, and
- § 25.858 at Amendment 25–54.

(c) Use of each emergency evacuation route must not require occupants of the CRM to enter the cargo compartment in order to return to the passenger compartment.

(d) The aural warning in Special Condition No. 7 must sound in the CRM.

19. During all airplane flight operations, there must be means to prevent access into the Class C cargo compartment and to ensure that the maintenance door is closed.

20. All enclosed stowage compartments within the CRM that are not limited to stowage of emergency equipment or airplane-supplied equipment (e.g., bedding) must meet the design criteria given in the table below. As indicated by the table, this special condition does not address enclosed stowage compartments with an interior volume greater than 200 cubic feet. (Fire protection for such large stowage compartments would necessitate design requirements and operational procedures similar to those for Class C cargo compartments.)

Fire Protection Features	Stowage compartment interior volumes		
	Less than 25 ft ³	25 ft ³ to 57 ft ³	57 ft ³ to 200 ft ³
Materials of Construction ¹	Yes	Yes	Yes.
Detectors ²	No	Yes	Yes.
Liner ³	No	No	Yes.
Locating Device ⁴	No	Yes	Yes.

¹ Material

The material used to construct each enclosed stowage compartment must at least be fire resistant and must meet the flammability standards for interior components specified in § 25.853. For compartments with an interior volume less than 25 cubic feet, the design must contain a fire likely to occur within the compartment under normal use.

² Detectors

Enclosed stowage compartments equal to or exceeding 25 cubic feet in interior volume must have a smoke or fire detection system to ensure that a fire can be detected within one minute. Flight tests must be conducted to show compliance with this requirement. Each system (or systems) must provide the following:

- (a) A visual indication in the flightdeck within one minute after the start of a fire;
- (b) An aural warning in the CRM; and
- (c) A warning in the main passenger cabin. This warning must be readily detectable by a flight attendant, taking into account the location of flight attendants throughout the main passenger compartment during various phases of flight.

³ Liner

If the material used to construct the stowage compartment meets the flammability requirements of a liner for a Class B cargo compartment, then no liner would be required for enclosed stowage compartments equal to or greater than 25 cubic feet but less than 57 cubic feet in interior volume. For those enclosed stowage compartments whose interior volume is equal to or greater than 57 cubic feet but less than or equal to 200 cubic feet, the liner must meet the requirements of § 25.855 at Amendment 25–72 for a class B cargo compartment.

⁴ Location Detector

Crew rest areas which contain enclosed stowage compartments whose interior volume exceeds 25 cubic feet and which are located away from one central location, such as the entry to the crew rest module or a common area within the crew rest module, would require additional fire protection devices to assist the firefighter in determining the location of a fire.

Issued in Renton, Washington, on September 11, 2006.

Kevin Mullin,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2006-25896; Directorate Identifier 2006-NE-33-AD; Amendment 39-14775; AD 2006-20-06]

RIN 2120-AA64

Airworthiness Directives; General Electric Company CF34-10E Series Turbofan Engines

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

ACTION: Final rule; request for comments.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for General Electric Company (GE) CF34-10E series turbofan engines. This AD requires removing the main fuel pump (MFP) inlet strainer from certain MFPs, installing a certain replacement flange as an interim repair, and performing initial and repetitive visual inspections of the main fuel filter. This AD results from three reports of release of the tripod support legs on the MFP inlet strainer, leading to engine in-flight shutdown. We are issuing this AD to prevent engine in-flight shutdown due to MFP malfunctions.

DATES: This AD becomes effective October 16, 2006. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of October 16, 2006.

We must receive any comments on this AD by November 28, 2006.

ADDRESSES: Use one of the following addresses to comment on this AD:

- DOT Docket Web site: Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- Government-wide rulemaking Web site: Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

- Mail: Docket Management Facility; U.S. Department of Transportation, 400

Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

- Fax: (202) 493-2251.

- Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact General Electric Company via Lockheed Martin Technology Services, 10525 Chester Road, Suite C, Cincinnati, Ohio 45215, telephone (513) 672-8400, fax (513) 672-8422.

FOR FURTHER INFORMATION CONTACT: Tara Fitzgerald, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; telephone: (781) 238-7130, fax: (781) 238-7199.

SUPPLEMENTARY INFORMATION: In August 2006, we became aware of one report, and in September 2006, two reports of cracking and release of the tripod support legs on the MFP inlet strainer, leading to engine in-flight shutdown, on GE CF34-10E series turbofan engines. When the tripod support legs release, they travel downstream and impact against the MFP gear assembly. This causes the MFP to jam, interrupting fuel flow, which leads to engine flameout. Investigations are ongoing, and our preliminary determination is that the cause of failure is a manufacturing quality control problem with the MFP inlet strainers. Current field data shows that the failures are an infant mortality type of failure. This AD requires removing the low-time strainers first. This condition, if not corrected, could result in an engine in-flight shutdown due to MFP malfunctions.

Relevant Service Information

We have reviewed and approved the technical contents of GE Alert Service Bulletin (ASB) No. CF34-10E S/B 73-A0011, dated September 15, 2006. That ASB describes procedures for removing the MFP inlet strainer, installing a certain replacement flange as an interim repair, and initial and repetitive visual inspections of the main fuel filter.

FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other GE CF34-10E series turbofan engines of the same type design. For that reason, we are issuing this AD to

prevent engine in-flight shutdown due to MFP malfunctions. This AD requires:

- Within 40 engine flight hours after the effective date of this AD, removing the MFP inlet strainer from the affected MFPs listed by serial number in GE ASB No. CF34-10E S/B 73-A0011, dated September 15, 2006; and
- Within 150 engine flight hours after the effective date of this AD, removing all other MFP inlet strainers; and
- Installing a certain replacement flange in all MFPs as an interim repair; and
- Remarketing the MFP part number from 2043M12P03 to 2043M12P04; and
- Performing initial and repetitive visual inspections of the main fuel filter.

You must use the service information described previously to perform the actions required by this AD.

FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

Interim Action

These actions are interim actions and we may take further rulemaking actions in the future.

Comments Invited

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. FAA-2006-25896; Directorate Identifier 2006-NE-33-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the DMS Web site, anyone can find and read the comments in any of our dockets, including the