

mandatory and issued Brazilian airworthiness directive 2001-09-03, dated October 2, 2001, in order to assure the continued airworthiness of these airplanes in Brazil.

#### FAA's Conclusions

These airplane models are manufactured in Brazil and are type certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. Pursuant to this bilateral airworthiness agreement, the DAC has kept the FAA informed of the situation described above. The FAA has examined the findings of the DAC, reviewed all available information, and determined that AD action is necessary for products of this type design that are certificated for operation in the United States.

#### Explanation of Requirements of Proposed Rule

Since an unsafe condition has been identified that is likely to exist or develop on other airplanes of the same type design registered in the United States, the proposed AD would require accomplishment of the actions specified in the service bulletin described previously.

#### Difference Between the Brazilian Airworthiness Directive and the Proposed AD

The proposed AD would differ from the parallel Brazilian airworthiness directive in that the applicability would only affect those Model EMB-135 and -145 series airplanes listed in the Effectivity of EMBRAER Service Bulletin 145-36-0024, dated May 31, 2001. The Brazilian airworthiness directive affects all Model-135 and -145 series airplanes. As indicated in EMBRAER Service Bulletin 145-36-0024, certain airplanes had the replacement specified in that service bulletin done during production. The limited applicability has been coordinated and concurred with by the DAC.

#### Cost Impact

The FAA estimates that 346 airplanes of U.S. registry would be affected by this proposed AD, that it would take approximately 3 work hours per airplane to accomplish the proposed replacement, and that the average labor rate is \$60 per work hour. Required parts would cost approximately between \$1,978 and \$2,007 per airplane. Based on these figures, the cost impact of the proposed AD on U.S. operators of these

airplanes is estimated to be between \$746,668 and \$756,702; or between \$2,158 and \$2,187 per airplane.

The cost impact figures discussed above are based on assumptions that no operator has yet accomplished any of the proposed requirements of this AD action, and that no operator would accomplish those actions in the future if this proposed AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

#### Regulatory Impact

The regulations proposed herein would 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. Therefore, it is determined that this proposal would not have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this proposed regulation (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); and (3) if promulgated, 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. A copy of the draft regulatory evaluation prepared for this action is contained in the Rules Docket. A copy of it may be obtained by contacting the Rules Docket at the location provided under the caption ADDRESSES.

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

Air transportation, Aircraft, Aviation safety, Safety.

#### The Proposed Amendment

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

#### PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

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

#### § 39.13 [Amended]

2. Section 39.13 is amended by adding the following new airworthiness directive:

**Empresa Brasileira de Aeronautica S.A. (EMBRAER):** Docket 2002-NM-88-AD.

**Applicability:** Model EMB-135 and -145 series airplanes, as listed in EMBRAER Service Bulletin 145-36-0024, dated May 31, 2001; excluding those airplanes listed in "In-production effectivity" in paragraph 1.A., "Effectivity," of the service bulletin; certificated in any category.

**Note 1:** This AD applies to each airplane identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (c) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

**Compliance:** Required as indicated, unless accomplished previously.

To prevent hot air leaks from the bleed air duct due to disconnection of the duct joint, which could result in heat damage to components near the duct, and consequent increased risk of fire in the rear baggage compartment, accomplish the following:

#### Replacement

(a) Within 1,000 flight hours after the effective date of this AD, do the actions specified in paragraphs (a)(1) and (a)(2) of this AD, as applicable, per EMBRAER Service Bulletin 145-36-0024, dated May 31, 2001.

(1) For all airplanes: Replace the four Gamah clamp/sleeve joints from the bleed line at the baggage compartment between frames 68 and 69 with new threaded coupling assemblies (including re-identifying, cleaning, and lubricating the bleed ducts; and installing protection sleeves).

(2) For airplanes having serial numbers listed in paragraph 3.G. of the Accomplishment Instructions of the service bulletin: Replace the two supports for the engine bleed air duct with two new supports, having part number 145-35923-007.

#### Parts Installation

(b) As of the effective date of this AD, no person shall install parts listed in paragraphs (b)(1) and (b)(2) of this AD, as applicable.

(1) For all airplanes: Gamah clamp/sleeve joints, from the bleed line at the baggage compartment between frames 68 and 69, having part number G30020CD, G30020TD, G30020C, or G30020T.

(2) For airplanes having serial numbers listed in paragraph 3.G. of the Accomplishment Instructions of EMBRAER Service Bulletin 145-36-0024, dated May 31, 2001: Supports for the engine bleed air duct, with part number 145-35923-007.