AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2020-05-01 **Effective Date: 26 May 2020**

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro da Aviação Civil (RBAC) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2020-05-01 - YABORÃ / 39-1459.

APPLICABILITY:

This Airworthiness Directive (AD) applies to Yaborã Indústria Aeronáutica S.A. airplanes model ERJ 170-100 LR, ERJ 170-100 SE, ERJ 170-100 STD, ERJ 170-100 SU, ERJ 170-200 LR, ERJ 170-200 STD, ERJ 170-200 SU and ERJ 170-200 LL airplanes, all serial numbers, equipped with Embraer Control Yoke Assemblies P/N 170-27453-401, 170-27453-402, 170-27453-403, 170-27453-404, 170-27453-405 or 170-27453-406.

CANCELLATION / REVISION:

Not applicable.

REASON:

There were informed occurrences of installation with inverted poles of the horizontal stabilizer pitch trim switches on the control yokes, which causes opposite commands for the horizontal stabilizer.

Since this condition affects safety, it is necessary an action that prevents the incorrect installation of the horizontal stabilizer pitch trim switches, and sufficient reason exists to request compliance with this AD within the indicated time limit.

REQUIRED ACTION:

This AD requires the installation of a support on the control yoke to prevent the incorrect installation of the horizontal stabilizer pitch trim switches.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(a) Modification of the Control Yokes

Within 18 months after the effective date of this AD, install the supports for the horizontal stabilizer control-yoke pitch trim switches and reidentify the control yokes as required by Service Bulletin Embraer 170-27-0051, revision 04, or further revisions approved by ANAC.

NOTE: From the date of implementation of the modification required by this AD, it is forbidden the installation of the Embraer Control Yoke Assemblies P/N 170-27453-401,170-27453-402, 170-27453-403, 170-27453-404, 170-27453-405 or 170-27453-406 for any aircraft.

(b) Credit for previous actions

This paragraph provides credit for the actions specified in paragraph (a) of this AD, if those actions were performed before the effective date of this AD according to revision 02, dated September 10th 2015, and revision 03, dated December 21st 2015, of the Service Bulletin Embraer 170-27-0051.

Partial credit is given for the actions implemented according to part I and part II of the original revision, dated February 27th 2015, and revision 01, dated April 1st 2015, of the Service Bulletin Embraer 170-27-0051, however, the airplanes for which these revisions were accomplished, shall be submitted to the actions implemented according to part III and part IV of the Service Bulletin Embraer 170-27-0051, revision 04, incorporated by reference to this AD, or further revisions approved by ANAC.

(c) Alternative Methods of Compliance (AMOC)

A different method or a different compliance time with the requirements of this AD may be used if approved by the General Manager of ANAC's Aeronautical Product Certification Branch (Gerência-Geral de Certificação de Produtos Aeronáuticos – GGCP). The AMOC approval letter must specifically reference this AD.

(d) Material incorporated by reference

To accomplish the actions required by this AD, use the Service Bulletin Embraer 170-27-0051, revision 04, dated September 14th 2017, or further revisions approved by ANAC.

Record compliance with this AD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:

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APPROVAL:

MÁRIO IGAWA
General Manager
GGCP

ROBERTO JOSÉ SILVEIRA HONORATO
Airworthiness Superintendent
ANAC

NOTE: Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).