

**NOTICE OF PROPOSED REGULATION
BRAZILIAN AIRWORTHINESS DIRECTIVES**

**REPÚBLICA FEDERATIVA DO BRASIL
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC
Gerência Geral de Certificação de Produto Aeronáutico**

Reference: NPR/AD 2021-550-03

Date: 08 Nov. 2021

In accordance with the provisions of RBAC 11, The Continuing Airworthiness Technical Branch (GTAC) is proposing the issuance of a Brazilian Airworthiness Directive applicable to the aeronautical product referred below.

*All the persons interested may send their comments until the date specified in item 2, indicating the **Reference** above, to the following address:*

*National Civil Aviation Agency (ANAC) – Continuing Airworthiness Technical Branch (GTAC)
Rua Doutor Orlando Feirabend Filho, nº 230
Centro Empresarial Aquáriu - Torre B - 14 o ao 18 o andares
Parque Residencial Aquáriu
12246-190 – São José dos Campos – SP - Tel.: (12) 3203-6600 - E-mail: pac@anac.gov.br.*

1. Proposer: Continuing Airworthiness Technical Branch (GTAC).

2. Comments: Must be received until 23 Dec. 2021.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. model EMB-545 and model EMB-550 airplanes as identified in Embraer Service Bulletin N. 550-42-0014, original issue, dated February 26, 2021, or further revisions approved by the ANAC.

CANCELLATION / REVISION:

Not applicable.

REASON:

An error has been detected in the airplane TAKEOFF CONFIG WARNING logic, which precludes the system to sound an aural alert for the flight crew in the event the pitch trim is in a position that would not allow a safe takeoff (positioned out of the GREEN BAND indication). The lack of reliable takeoff configuration warning with a possible misconfigured airplane may result in loss of airplane controllability.

Since this condition may occur in other airplanes and affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Upload the Engine Indication and Crew Alert System (EICAS), the Onboard Maintenance System (OMS) and the Integrated Flight Information System (IFIS) documents files.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Files uploading procedure.

For airplanes identified in paragraphs (a) of this AD, before they log 1200 Flight Hours (FH) or within the next 12 months after the effective date of this AD, whichever occurs first; upload the EICAS Flex 3.3, OMS Flex 5.5 and IFIS documents files, according to the detailed instructions and procedures contained in the Embraer Service Bulletin N. 550-42-0014, original issue, dated February 26, 2021, or further revisions approved by the ANAC.

NOTE: The accomplishment of Embraer Service Bulletin N. 550-42-0011, revision 06, or further revisions is required prior to or in conjunction with the accomplishment of the Embraer Service Bulletin N. 550-42-0014, original issue, dated February 26, 2021, or further revisions approved by the ANAC.

(c) Alternative methods of compliance (AMOCs).

A different method or a different compliance time, with the requirements of this AD, may be used if approved by the Technical Manager of Continuing Airworthiness (GTAC) of ANAC.

(d) Material incorporated by reference.

You must use Embraer Service Bulletin N. 550-42-0014, original issue, dated February 26, 2021, or further revisions approved by the ANAC to do the actions required by this AD.

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