



MINISTRY OF DEFENSE
COMMAND OF AERONAUTICS
AERONAUTICAL ACCIDENT INVESTIGATION AND PREVENTION CENTER (CENIPA)
SHIS QI 05 – SPECIAL AREA 12 - VI COMAR
71.615.600 - BRASÍLIA - DF - BRAZIL
Telephone: + 55 [REDACTED] - Email: [REDACTED]@cenipa.com

Official Letter nº 91/DIP-ASOACI/1488
COMAER Protocol nº 67012.001897/2024-14

Brasilia, July 15th, 2024.

Mr. Chris van Dam
Chairman of the DSB
Dutch Safety Board
Lange Voorhout 9
2514 EA The Hague, Netherlands

Subject: Safety Recommendation Response - Takeoff with erroneous takeoff data.

Dear Chair,

1. In reference to the Safety Recommendation forwarded to EMBRAER, related to the Serious incident involving the EMBRAER 195-E2 (registered as PH-NXD), on 12 September 2021, occurred at Berlin Brandenburg Airport (Germany), EDDB, referred as Takeoff with erroneous takeoff data, the CENIPA would like to present you the following.
2. In addition to the Official Letter issued by CENIPA to the DSB on March 8th, 2024, ANAC (Brazil's National Civil Aviation Agency) sent some additional information, which can be find attached.
3. Below, there is a transcript of the additional information provided by ANAC, concerning the aforementioned occurrence.
4. **Safety Recommendation:** To Embraer: to start the development of an independent onboard system that detects gross input errors in the process of takeoff performance calculations and/or alerts the flight crew of abnormal low accelerations for the actual aeroplane configuration as well as insufficient runway length available.
5. **ANAC Response (June 6, 2024):** ANAC is aware of the recent discussion involving EASA and industry, which is expected to result in a Notice of Proposed Amendment (NPA) to address independent monitoring system related to aircraft position and performance. The development of an independent onboard system that detects gross input errors depends on advance on new regulations and technical solutions development. At the current moment, ANAC agrees that all practical mitigations are being adopted by Embraer with an improvement to the ePerf until July 2024, which will consist of a pictorial with the intersection for which the performance calculations have been done.

6. Accept, Mr van Dam, the assurance of my highest consideration.

Yours faithfully,



Major General MARCELO MORENO
Chief of the Aeronautical Accident Investigation and Prevention Center

Asas que protegem o País

