

**AIRBUS A320-214,
G-EZTD**

**Lisbon Airport,
Portugal**

24 April 2019

Serious Incident

Investigation Synopsis

Under international protocols, this investigation was delegated to the AAIB by the Gabinete de Prevenção e Investigação de Acidentes com Aeronaves e de Acidentes Ferroviários (GPIAAF) in Portugal.

During pre-flight preparations, both pilots completed a takeoff performance calculation for a takeoff from the runway intersection with Taxiway U5. During subsequent re-planning, the crew thought they had recalculated performance information from Taxiway S1 but had, in fact, used S4 (runway full length). The aircraft took off from Taxiway U5 with performance calculated for the full runway length. The takeoff distance available from U5 was 1,395 m less than that used for the performance calculation, and the aircraft passed the upwind end of the runway at 100 ft aal. The operator had another identical event 14 days later.

Following this event, the operator acted to raise awareness of the issue with its crews and engaged with the aircraft manufacturer to review possible technical developments which might prevent a recurrence of these type of events.

One Safety Recommendation is made to mitigate the risk of further confusion relating to takeoff positions.

Safety Recommendation 2020-003

Justification

Lisbon Airport uses takeoff 'Positions' to reference takeoff points rather than the more usual taxiway/runway intersections. This led to confusion with two crews when entering the takeoff position into their electronic flight bags as part of their takeoff performance calculations. This led to takeoff thrust being calculated for the full length of the runway while the actual takeoff was from an intersection from which there was 1,395 m less runway available.

Therefore, the following safety recommendation was made:

Safety Recommendation 2020-003

It is recommended that ANA Aeroportos de Portugal discontinue the use of takeoff 'Positions' at Lisbon Airport to minimise confusion in relation to takeoff points.

Date Safety Recommendation made: 09 January 2020

LATEST RESPONSE

Response received: 13 September 2021

The Air Information Publication for Portugal has been amended to discontinue the use of takeoff "Positions" at Lisbon Airport, as indicated by AAIB safety recommendation 2020-003.

Safety Recommendation Status **Closed**

AAIB Assessment

Adequate

Action Status

Planned Action Completed

RESPONSE HISTORY

Response received: 20 May 2021

ANA Aeroportos de Portugal is still waiting for approval from the Civil Aviation Authority, ANAC, to promote the AIP Amendment proposed in its letter to ANAC dated 9 March 20.

It is thought that there are some delays due to the COVID-19 lockdown, but ANA Aeroportos de Portugal will contact ANAC for an update.

AAIB Assessment – Partially Adequate Open

(SRIS Reference: GB.SIA-2020-0003)