

13 January 2021
66-ZB-H200-ASI-19200

[REDACTED]
Dutch Safety Board
P.O. Box 95404
2509 CK Den Haag
The Netherlands
[REDACTED]



Subject: Response to Safety Recommendation - Jet Airways 777-300ER VT-JEW Tail
Strike at Takeoff at Amsterdam - 21 April 2017

Reference: Dutch Safety Board Final Report published 15 October 2020

Dear [REDACTED]

The Dutch Safety Board (DSB) published one safety recommendation addressed to Boeing as part of the referenced final report. Please find enclosed our interim response to the safety recommendation that describes the status of our evaluation.

The information included with this correspondence is controlled under the US Export Administration Regulations (15 CFR Parts 300-799) and has been categorized as ECCN: 9E991.

Please feel free to contact us if you have any questions.

Best regards,

Robert J. McIntosh
Director, Product Safety

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cc: [REDACTED] – US Accredited Representative, NTSB

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Takeoff at Amsterdam - 21 April 2017

The Dutch Safety Board therefore issues the following recommendations:

To The Boeing Company:

For the existing and future commercial aeroplanes, to research on and develop an independent onboard system that detects gross input errors in the process of takeoff performance calculations and/or alerts the flight crew during takeoff of abnormal low accelerations for the actual aeroplane configuration as well as insufficient runway length available in case of intersection takeoffs.



Boeing Response:

Boeing is actively developing a Takeoff Performance Alert (TPA) feature that is comprised of an algorithm and flight crew alert that is being evaluated for certain existing and future Boeing models.

Aspects of the TPA function have been modeled in a multi-purpose simulator and Boeing has conducted several pilot evaluations in this simulator. Further evaluation and testing of the TPA function in an engineering simulator will be used to evaluate expanded takeoff scenarios. A model of the function is being created to utilize batch flight test data to look for areas that could drive nuisance alerts so they can be addressed in the function design. Boeing will provide an update to the DSB on development progress by 31 Dec 2021.