



National Transportation Safety Board

Washington, D.C. 20594

Safety Recommendation

Date: July 3, 2012

In reply refer to: A-12-44 through A-12-46

The Honorable Michael P. Huerta
Acting Administrator
Federal Aviation Administration
Washington, DC 20591

On June 18, 2012, the National Transportation Safety Board (NTSB) adopted its report concerning the December 29, 2010, incident in which American Airlines flight 2253, a Boeing 757, ran off the departure end of runway 19 and came to a stop in deep snow after landing at Jackson Hole, Wyoming. As a result of this investigation, the NTSB reiterated Safety Recommendations A-09-24, A-09-25, and A-07-13 and issued the following three new safety recommendations to the Federal Aviation Administration:

A-12-44

Require all operators of existing speedbrake-equipped transport-category airplanes to develop and incorporate training to specifically address recognition of a situation in which the speedbrakes do not deploy as expected after landing.

A-12-45

Require all newly type-certificated 14 *Code of Federal Regulations* Part 25 airplanes to have a clearly distinguishable and intelligible alert that warns pilots when the speedbrakes have not deployed during the landing roll.

A-12-46

Require Boeing to establish guidance for pilots of all relevant airplanes to follow when an unintended thrust reverser lockout occurs and to provide that guidance to all operators of those airplanes.

These recommendations are derived from the NTSB's investigation and are consistent with the evidence we found and the analysis we performed. Chairman HERSMAN,

Vice Chairman HART, and Members SUMWALT and ROSEKIND concurred in these recommendations. Additional information about this incident and the resulting recommendations may be found in the report of the investigation, which can be accessed at our website, <http://www.nts.gov>.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days addressing the actions you have taken or intend to take to implement these recommendations. When responding, please refer to Safety Recommendations A-12-44 through A-12-46. We encourage you to submit updates electronically to correspondence@nts.gov. If your response includes attachments that exceed 5 megabytes, please e-mail us at the same address for instructions. To avoid confusion, please do not submit both an electronic copy and a hard copy of the same response.

Sincerely,

[Original Signed]

Deborah A.P. Hersman
Chairman