



Safety Information Bulletin

Airworthiness - Operations

SIB No.: 2016-03

Issued: 22 February 2016

Subject: Boeing MD-11 Aeroplanes - Landing Gear Struts Extended Annunciation System - Installation

Ref. Publications:

Boeing Service Bulletin (SB) MD11-32-093 dated 15 December 2014.

Boeing MD-11 Flight Crew Operating Manual (FCOM), Revision dated June 2015.

Boeing Service Letter (SL) MD-11-SL-32-127 dated 1 May 2013.

Applicability:

Boeing (formerly McDonnell Douglas) MD-11 and MD-11F aeroplanes.

Description:

Following recommendations from accident investigation boards, a system has been developed by the manufacturer, which gives additional information about the aeroplane's air/ground status to pilots during landing. The so called landing gear Struts Extended Annunciation System (SEAS) illuminates dedicated lights on the glare shield in front of both pilots when the main landing gear struts are close to, or are at full extension. In this way, pilots are more aware if a bounce has occurred, and control inputs can be made which will avoid the bounce developing into a more serious event.

The FCOM revision dated June 2015 for all MD-11 aeroplanes, includes a basic description of SEAS function and implementation in the section "Landing Characteristics and Techniques" under FCOM "Procedures and Techniques" with the caveat 'if fitted'.

At this time, the safety concern described in this SIB is not considered to be an unsafe condition that would warrant Airworthiness Directive (AD) action under Regulation (EU) [748/2012](#), Part 21.A.3B, nor the issuance of a safety measure under Regulation (EU) [965/2012](#), Annex II, ARO.GEN.135(c).

Recommendation(s):

The Agency recommends operators to install the Landing Gear SEAS per Boeing SB MD11-32-093 (or its equivalent which matches the specific aeroplane cockpit) as mitigation for the risk of inappropriate control inputs after bounced landings. This should be combined with enhanced training using amended FCOM procedures and special maintenance tasks provided by the Boeing Company, i.e. MD-11 Aircraft Maintenance Manual Chapter 32-11-01 with instructions for servicing main landing gear shock struts, and Boeing MD-11-SL-32-127, recommending a servicing interval for MLG shock struts.

This is information only. Recommendations are not mandatory.



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