

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	PAD No.: 14-045 Date: 05 March 2014 Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Design Approval Holder's Name: BOEING COMPANY	Type/Model designation(s): 737 aeroplanes
TCDS Number: EASA.IM.A.120	
Foreign AD: None; NPRM FAA-2014-0122 issued 03 March 2014.	
Supersedure: None	
ATA 22	Auto Flight – Auto-Throttle Computer – Replacement
Manufacturer(s):	The Boeing Company
Applicability:	Boeing 737-600, 737-700, 737-800 and 737-900 aeroplanes, as identified by variable number in Boeing Alert Service Bulletin (ASB) 737-22A1215 dated 22 November 2013. Refer to Boeing SB Index, Document D6-19567 Part 3, for aeroplane variable number, line number, and manufacturer serial number data. Note: At the time of issuance of this AD, the Model 737-700C is not validated in Europe.
Reason:	Reports have been received of undetected erroneous output from a single radio altimeter channel, which resulted in premature auto-throttle retard during approach. At least one such occurrence has resulted in an accident. The aeroplane involved in the accident was equipped with the Honeywell Flight Control System (FCS), in combination with a GE Aviation Systems LLC (GE) auto-throttle computer. This condition, if not corrected, could lead to loss of automatic speed control, possibly resulting in loss of control of the aeroplane. To address this potential unsafe condition for Boeing 737 aeroplanes equipped with the Rockwell Collins Enhanced Digital Flight Control System (EDFCS), the Federal Aviation Administration (FAA) issued AD 2012-21-08, which was adopted by EASA. Prompted by this occurrence, for Boeing 737 aeroplanes equipped with Honeywell FCS and GE auto-throttle computer, GE developed a new auto-

	throttle computer, part number (P/N) 760SUE2-5 (Boeing P/N 10-62017-55), that has new software installed which will prevent a single erroneous but valid radio altitude signal from causing the auto-throttle to decrease thrust. For the reasons described above, this AD requires replacement or modification of the affected GE Aviation Systems LLC auto-throttle computers.																
Effective Date:	[TBD: 14 days after final AD issue date]																
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 30 days after the effective date of this AD, determine the P/N of the GE Aviation Systems LLC auto-throttle computer in accordance with the instructions of Boeing ASB 737-22A1215. A review of aeroplane delivery- or maintenance records is acceptable to make the determination as specified in this paragraph, provided those records can be relied upon for that purpose, and the P/N of the GE auto-throttle computer can be conclusively identified from that review. (2) Based on the result of the identification as required by paragraph (1) of this AD, for aeroplanes that have a GE Aviation Systems LLC auto-throttle computer installed, having a P/N as listed in Table 2 of this AD, accomplish one of the actions, as required by paragraph (2.1) or (2.2) of this AD, as applicable, in accordance with the instructions of Boeing ASB 737-22A1215. (2.1) For aeroplanes that have a version of the auto-throttle computer installed that is enabled to load software (using a disc supplied by GE), within 3 months after the effective date of this AD, modify the affected unit. (2.2) For aeroplanes that are not enabled to load software, within the compliance time specified in Table 1 of this AD, as applicable, replace each auto-throttle computer with a unit that has the new software installed. Table 1 – GE Auto-Throttle Computer Replacement <table border="1"> <thead> <tr> <th>Aeroplane configuration</th><th>Compliance time (after the effective date of this AD)</th></tr> </thead> <tbody> <tr> <td>Pre-mod Boeing ASB 737-34A2292</td><td>Within 12 months</td></tr> <tr> <td>Post-mod Boeing ASB 737-34A2292</td><td>Within 36 months</td></tr> </tbody> </table> Table 2 – Affected Auto-Throttle Computers <table border="1"> <thead> <tr> <th>GE P/N</th><th>Boeing P/N</th></tr> </thead> <tbody> <tr> <td>760SUE1-1</td><td>10-62017-51</td></tr> <tr> <td>760SUE2-2</td><td>10-62017-52</td></tr> <tr> <td>760SUE2-3</td><td>10-62017-53</td></tr> <tr> <td>760SUE2-4</td><td>10-62017-54</td></tr> </tbody> </table> (3) After modification of an aeroplane as required by paragraph (2) of this AD, do not install a GE Aviation Systems LLC auto-throttle computer having a P/N as listed in Table 2 of this AD on that aeroplane.	Aeroplane configuration	Compliance time (after the effective date of this AD)	Pre-mod Boeing ASB 737-34A2292	Within 12 months	Post-mod Boeing ASB 737-34A2292	Within 36 months	GE P/N	Boeing P/N	760SUE1-1	10-62017-51	760SUE2-2	10-62017-52	760SUE2-3	10-62017-53	760SUE2-4	10-62017-54
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Ref. Publications:	Boeing ASB 737-22A1215 dated 22 November 2013. Boeing ASB 737-34A2292 dated 27 April 2012.
Remarks:	1. This Proposed AD will be closed for consultation on 02 April 2014. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Boeing Commercial Airplanes, Attention: Data & Services Management, P.O. Box 3707, MC 2H-65, Seattle, Washington 98124-2207, United States of America; telephone 206-544-5000, extension 1; fax 206-766-5680; E-mail me.boecom@boeing.com; Internet https://www.myboeingfleet.com.