

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2011-0055 Date: 24 March 2011 Note: This Airworthiness Directive (AD) 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.
This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Type Approval Holder's Name :	Type/Model designation(s) :
AIRBUS	A380 aeroplanes
TCDS Number: EASA.A.110	
Foreign AD: Not applicable	
Supersedure: None	
ATA 34	Navigation – Nose Landing Gear Glide Slope Antenna Harnesses – Replacement
Manufacturer(s):	Airbus
Applicability:	Airbus A380 aeroplanes, -841, -842, and -861 models, all Manufacturer Serial Numbers (MSN).
Reason:	Incorrect crimping on a batch of A380 glide slope antenna harnesses has been reported by Messier-Dowty, the supplier of these antennas. This incorrect crimping was due to the use of incorrect tooling during the manufacturing process. This incorrect harnesses crimping in conjunction with vibrations on the harness and/or with service time may generate interference noise on the glide slope signal and/or erroneous glide slope information. This condition, if not corrected, may compromise the ability of the flight crew to safely operate the aeroplane for precision approaches and autoland. For the reasons described above, this AD requires replacement of the affected glide slope antenna harnesses with serviceable units.
Effective Date:	07 April 2011

Required action(s) and Compliance Time(s):	Required as indicated, unless already accomplished: (1) For aeroplanes with MSN 007, 009, 019, 023, 025, 029, 030, 034, 038, 041, 042, 043, 044, 045, 046, 048, 049, 051, 056 and 057 and if the Nose Landing Gear (NLG) glide slope antenna switching function is activated, accomplish the following actions: (1.1) Within 7 calendar days after the effective date of this AD, and thereafter at intervals not to exceed 7 calendar days, monitor the Post Flight Report (PFR) in accordance with the instructions of Airbus All Operator Telex (AOT) A380-34A8013. (1.2) If during the monitoring required by paragraph (1.1) of this AD, the Class 5 fault code 2796F0G5 "ANTENNA GLIDE TRACK 1/2 (5RT)" has been triggered for three or more consecutive flights during the past 500 Flight Hours (FH), within 100 FH, replace each affected glide slope antenna harness in accordance with the instructions of Airbus AOT A380-34A8013. (1.3) Within 500 FH after the effective date of this AD, unless already accomplished as required by paragraph (1.2) of this AD, replace each affected glide slope antenna harness in accordance with the instructions of Airbus AOT A380-34A8013. (1.4) Replacement of all affected glide slope antenna harnesses on an aeroplane as required by paragraph (1.2) or (1.3) of this AD, constitutes terminating action for the repetitive PFR monitoring required by paragraph (1.1) of this AD for that aeroplane. (2) For aeroplanes with MSN 007, 009, 019, 023, 025, 029, 030, 034, 038, 041, 042, 043, 044, 045, 046, 048, 049, 051, 056 and 057, as an alternative to the actions required by paragraph (1) of this AD, the NLG glide slope antenna switching function can be deactivated in accordance with the instructions of Airbus AOT A380-34A8013. If this option is chosen, accomplish the following actions: (2.1) Within 12 months after the NLG glide slope antenna switching function deactivation, replace each affected glide slope antenna harness of an aeroplane and concurrently reactivate the NLG glide slope antenna switching function in accordance with the instructions of Airbus AOT A380-34A8013. (2.2) During the deactivation period, operate the aeroplane in accordance with the limitations of Airbus AOT A380-34A8013. (3) After the effective date of this AD, do not install on an aeroplane any affected glide slope antenna harness with a P/N and s/n listed in Appendix 1 of this AD.
Ref. Publications:	Airbus All Operator Telex A380-34A8013 at original issue dated 01 February 2011. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remark:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EANA (Airworthiness Office), Phone: +33 562110253 ; Fax: +33 562 110 307. E-mail: account.airworth-A380@airbus.com and Nicolas.Cordeau@airbus.com and Sandra.Cuiec@airbus.com.
---------	--

Appendix 1: Part Number (P/N) and serial number (s/n) of affected glide slope antenna harness

Harness P/N	Harness s/n
10-202201-004	B100, B101, B102, B103, B104, B106, B107, B108, B110, B111, B112, B113, B114, B115, B116, B117, B118, B119, B120, B121, B124, B125, B126, B97, B98, and B99.
10-202301-004	B104, B88, B92, B95, and B96.
10-202301-005	B100, B101, B102, B103, B105, B106, B107, B108, B109, B112, B113, B114, B115, B116, B117, B118, B119, B120, B121, B122, B123, B124, B125, B127, B85, B86, B87, B89, B90, B91, B93, B94, B97, and B99.