


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 13-085</p> <p>Date: 20 June 2013</p> <p>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.</p>
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: EUROCOPTER	Type/Model designation(s): AS 355 helicopters
TCDS Number:	EASA.R.146
Foreign AD:	Not applicable
Supersedure:	None
ATA 28	Fuel – FUELTRON Flowmeter Installation – Removal
Manufacturer(s):	Eurocopter (formerly Eurocopter France, Aerospatiale)
Applicability:	ECUREUIL AS355 E, AS355 F, AS355 F1, AS355 F2 helicopters, all serial numbers with modification 350A070791 embodied in production (installation of the FUELTRON flowmeter), except those with modification 355A085801 embodied in production.
Reason:	<p>An occurrence has been reported where, after landing of an AS355 helicopter, an uncontrolled flame-out of engine No.1 occurred. Analysis results revealed that a particle contamination had obstructed the FUELTRON flowmeter. This contamination may have been introduced during refuelling of the helicopter.</p> <p>The obstruction was due to the cross-section of the passage area of the flowmeter being smaller than the meshes in the upstream fuel pump strainer. Consequently, the particles could pass through the strainer and then created the obstruction in the FUELTRON flowmeter. The affected FUELTRON flowmeter installation is identical on the two engines.</p> <p>This condition (simultaneous obstruction of both flowmeters for both engines), if not detected and corrected, could lead to the flame-out of both engines in flight, possibly resulting in reduced control of the helicopter.</p> <p>For the reasons described above, this AD requires to remove and disable the FUELTRON flowmeter installation.</p> <p>This AD is considered an interim action, pending the development of a modification.</p>

Effective Date:	[TBD: 14 days after Final AD issue date]
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless previously accomplished:</p> <ol style="list-style-type: none"> (1) Within 5 month or 750 Flight Hours, whichever occurs first after the effective date of this AD, accomplish the following actions concurrently in accordance with the instructions of the Eurocopter Alert Service Bulletin (ASB) AS355-28.00.20: <ol style="list-style-type: none"> (1.1) Remove the FUELTRON flowmeter Part Number (P/N) 704A37-670-001 and modify the fuel system; and (1.2) Disable the electrical wiring connections related to the flowmeter installation. (2) From the effective date of this AD, do not install a FUELTRON flowmeter P/N 704A37-670-001 on any helicopter. <p>Note: Precautions to prevent fuel contamination during refuelling can be found in Eurocopter Information Notice No. 2145-I-28 and work card 20.07.02.208.</p>
Ref. Publications:	<p>Eurocopter ASB AS355-28.00.20 dated 06 June 2013.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 18 July 2013. 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: EUROCOPTER (STDI) – Aéroport de Marseille Provence, 13725 Marignane Cedex, France; telephone +33 (4) 12 85 97 97; facsimile +33 (4) 85 99 66; E-mail: Directive.technical-support@eurocopter.com.