


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE	
	PAD No.: 14-018 Date: 23 January 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: AIRBUS		Type/Model designation(s): A319, A320 and A321 aeroplanes
TCDS Number: EASA A.064		
Foreign AD: Not applicable		
Supersedure: None		
ATA 53		
Fuselage – Potable Water and Waste Water Service Panels – Reinforcement		
Manufacturer(s): Airbus (formerly Airbus Industries)		
Applicability: Airbus A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231 and A321-232 aeroplanes, all manufacturer serial numbers, except those on which Airbus modification (mod) 160055 or Airbus mod 160056 have been embodied in production.		
Reason: <p>During the full scale fatigue test on A320-200, it has been noticed that, due to fatigue, cracks could be initiated at the waste water service panel area and the potable water service panel area.</p> <p>This condition, if not detected and corrected, could affect the structural integrity of the aeroplane.</p> <p>Prompted by these findings, ALS Part 2 tasks have been introduced for the affected A320 family aeroplanes. Since those actions were taken, Airbus developed production mod 160055 and mod 160056 to embody reinforcements (cold working on certain rivet rows) of the potable water and waste water service panels, and published associated Airbus Service Bulletin (SB) A320-53-1272 and SB A320-53-1267 for in-service embodiment.</p> <p>Following complementary Design Office studies, it appears that the Sharklet installations on certain aeroplanes (mod 160500 for A319 and A320, and mod 160023 for A321) have a significant impact on the aeroplane structure, leading to different compliance times, depending on aeroplane configuration.</p>		

	For the reasons described above, this AD requires reinforcement of the potable water and waste water service panels. Accomplishment of these modifications cancels the need for the related ALS Part 2 Tasks.																																		
Effective Date:	[TBD: 14 days after final AD issue date]																																		
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Before exceeding the compliance time as specified in Table 1 of this AD, as applicable, modify the potable water service panel in accordance with the instructions of Airbus SB A320-53-1272 Revision 01.</p> <p>Table 1 – Potable Water Service Panel Reinforcement</p> <table> <tr> <th>Affected aeroplanes</th><th>Compliance time (Flight cycles (FC) or flight hours (FH), whichever occurs first since aeroplane first flight)</th></tr> <tr> <td>A319 pre-mod 160500</td><td>48 500 FC or 97 000 FH</td></tr> <tr> <td>A319 post-mod 160500</td><td>46 000 FC or 92 000 FH</td></tr> <tr> <td>A320 pre-mod 160500</td><td>54 200 FC or 108 400 FH</td></tr> <tr> <td>A320 post-mod 160500</td><td>36 000 FC or 72 000 FH</td></tr> <tr> <td>A321 pre-mod 160023</td><td>60 000 FC or 120 000 FH</td></tr> <tr> <td>A321 post-mod 160023</td><td>60 000 FC or 120 000 FH</td></tr> </table> <p>(2) Before exceeding the compliance time as specified in Table 2 or Table 3 of this AD, as applicable, modify the waste water service panel in accordance with the instructions of Airbus SB A320-53-1267 Revision 01.</p> <p>Table 2 – Waste Water Service Panel Reinforcement</p> <table> <tr> <th>Affected aeroplanes</th><th>Compliance time (FC or FH, whichever occurs first since aeroplane first flight)</th></tr> <tr> <td>A319 pre-mod 160500</td><td>44 400 FC or 88 800 FH</td></tr> <tr> <td>A319 post-mod 160500</td><td>43 600 FC or 87 200 FH</td></tr> <tr> <td>A320 pre-mod 160500</td><td>see Table 3</td></tr> <tr> <td>A320 post-mod 160500</td><td>39 200 FC or 78 400 FH</td></tr> <tr> <td>A321 pre-mod 160023</td><td>51 600 FC or 103 200 FH</td></tr> <tr> <td>A321 post-mod 160023</td><td>51 200 FC or 102 400 FH</td></tr> </table> <p>Table 3 – Waste Water Service Panel Reinforcement for A320 pre-mod 160500 aeroplanes</p> <table> <tr> <th colspan="2">Compliance Time (whichever occurs later, A or B)</th></tr> <tr> <td>A</td><td>Before exceeding 46 400 FC or 92 800 FH, whichever occurs first since aeroplane first flight</td></tr> <tr> <td>B</td><td>Within 2 300 FC or 4 600 FH, whichever occurs first since last accomplishment of ALS Part 2 Task No. 534126-01-3 (except as required by paragraph (3) of this AD) without exceeding 48 000 FC or 96 000 FH, whichever occurs first since aeroplane first flight</td></tr> </table>	Affected aeroplanes	Compliance time (Flight cycles (FC) or flight hours (FH), whichever occurs first since aeroplane first flight)	A319 pre-mod 160500	48 500 FC or 97 000 FH	A319 post-mod 160500	46 000 FC or 92 000 FH	A320 pre-mod 160500	54 200 FC or 108 400 FH	A320 post-mod 160500	36 000 FC or 72 000 FH	A321 pre-mod 160023	60 000 FC or 120 000 FH	A321 post-mod 160023	60 000 FC or 120 000 FH	Affected aeroplanes	Compliance time (FC or FH, whichever occurs first since aeroplane first flight)	A319 pre-mod 160500	44 400 FC or 88 800 FH	A319 post-mod 160500	43 600 FC or 87 200 FH	A320 pre-mod 160500	see Table 3	A320 post-mod 160500	39 200 FC or 78 400 FH	A321 pre-mod 160023	51 600 FC or 103 200 FH	A321 post-mod 160023	51 200 FC or 102 400 FH	Compliance Time (whichever occurs later, A or B)		A	Before exceeding 46 400 FC or 92 800 FH, whichever occurs first since aeroplane first flight	B	Within 2 300 FC or 4 600 FH, whichever occurs first since last accomplishment of ALS Part 2 Task No. 534126-01-3 (except as required by paragraph (3) of this AD) without exceeding 48 000 FC or 96 000 FH, whichever occurs first since aeroplane first flight
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- (3) If discrepancies are found during this ALS Part 2 task, before next flight, modify the waste water service panel in accordance with the instructions of Airbus SB A320-53-1267 Revision 01.
- (4) Modification of an aeroplane, prior to the effective date of this AD in accordance with the instructions of Airbus SB A320-53-1267 at original issue and/or SB A320-53-1272 at original issue, is acceptable to comply with the requirements of paragraphs (1) and/or (2) of this AD, respectively, for that aeroplane.
- (5) Modification of an aeroplane as required by paragraph (1) of this AD cancels the need to accomplish the ALS Part 2 task for that aeroplane as specified in Table 4 of this AD, as applicable.

Table 4 – ALS Part 2 Task terminated after
Potable Water Service Panel reinforcement

Affected aeroplanes	ALS Part 2 Task No.
A319 pre-mod 160500	534125-01-2
A319 post-mod 160500	534125-01-5
A320 pre-mod 160500	534125-01-3
A320 pre-mod 160500	534125-01-6
A321 pre-mod 160023	534125-01-4
A321 post-mod 160023	534125-01-7

- (6) Modification of an aeroplane as required by paragraph (2) or (3) of this AD cancels the need to accomplish the ALS Part 2 task for that aeroplane as specified in Table 5 of this AD, as applicable.

Table 5 – ALS Part 2 Task terminated after
Waste Water Service Panel reinforcement

Affected aeroplanes	ALS Part 2 Task No.
A319 pre-mod 160500	534126-01-2
A319 post-mod 160500	534126-01-5
A320 pre-mod 160500	534126-01-3
A320 post-mod 160500	534126-01-6
A321 pre-mod 160023	534126-01-4
A321 post-mod 160023	534126-01-7

Ref. Publications:

Airbus SB A320-53-1267 original issue dated 24 June 2013, or Revision 01 dated 02 October 2013.

Airbus SB A320-53-1272 original issue dated 10 January 2013, or Revision 01 dated 06 August 2013.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 20 February 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: AIRBUS - Airworthiness Office - EIAS, Fax +33 5 61 93 44 51. E-mail: account.airworth-eas@airbus.com.