



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-11-009A	發布日期 Date issued	2020/2/7
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	A320-214, A320-216, A320-231, A320-232, A320-233, A320-251N and A320-271N aeroplanes, all manufacturer serial numbers (MSN) listed in Appendix 1 of this AD.		
主旨摘要	Fire Protection - Cargo Compartment Fire Extinguishing Pipes - Inspection / Modification		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> FAA <input checked="" type="checkbox"/> EASA <input type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC </div> <div style="width: 48%;"> <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____ </div> </div>		
	設計國 AD 編號 Original AD number	2019-0279R1	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 26. This AD revises EASA AD 2019-0279(CAA-2019-11-009) dated 15 November 2019.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw			



Airworthiness Directive

AD No.: 2019-0279R1

Issued: 05 February 2020

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A320 aeroplanes

Effective Date: Revision 1: 12 February 2020
Original issue: 29 November 2019

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Revision: This AD revises EASA AD 2019-0279 dated 15 November 2019.

ATA 26 – Fire Protection – Cargo Compartment Fire Extinguishing Pipes – Inspection / Modification

Manufacturer(s):

Airbus, formerly Airbus Industrie

Applicability:

A320-214, A320-216, A320-231, A320-232, A320-233, A320-251N and A320-271N aeroplanes, all manufacturer serial numbers (MSN) listed in Appendix 1 of this AD.

Definitions:

For the purpose of this AD, the following definitions apply:

The applicable SB: Airbus Service Bulletin (SB) A320-26-1107 Revision (rev) 03, SB A320-26-1109 rev 01 or SB A320-26-1110 rev 01, as applicable.

Groups: Group 1 aeroplanes are those on which any Airbus SB at the revision as listed in Table 1 of this AD has been embodied in service.

Group 2 aeroplanes are those which are not Group 1.



Table 1: Affected Installation

Airbus SB
A320-26-1082 rev 07
A320-26-1099 rev 01
A320-26-1107 rev 01 or rev 02
A320-26-1109 original issue
A320-26-1110 original issue

Reason:

Following the installation of a second cargo fire extinguishing bottle, insufficient clearance between the cargo fire extinguishing pipes was reported.

This condition, if not detected and corrected, could lead to wear/chafing of the cargo fire extinguishing pipes, possibly resulting in reduced fire extinguishing capability in case of fire in a cargo compartment.

To address this potential unsafe condition, Airbus revised the instructions of the SBs installing a second cargo fire extinguishing bottle. Airbus also determined which aeroplanes embodied the second cargo fire extinguishing bottle modification, and provided instructions to inspect and, depending on findings, to modify the installation of the fire extinguisher pipes to ensure sufficient clearance, and EASA issued AD 2019-0279, requiring a one-time inspection for clearance and, depending on findings, installation of spacers between cargo fire extinguishing pipes. That AD also prohibited further installation of a second cargo fire extinguishing bottle, unless in accordance with updated (revised Airbus SB) instructions.

Since that AD was issued, it has been determined that, for a Group 2 aeroplane, installation of a second cargo fire extinguishing bottle can also be accomplished with the instructions of the SBs at the revision listed in Table 1 of this AD, provided the actions required for Group 1 aeroplanes are also accomplished on that aeroplane.

This AD is revised accordingly.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Inspection:

- (1) For Group 1 aeroplanes: Within 8 months after 29 November 2019 [the effective date of the original issue of this AD], inspect the cargo fire extinguishing pipes installation in accordance with the instructions for additional work of the applicable SB, or contact Airbus for approved inspection instructions and accomplish those instructions accordingly.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, insufficient clearance, as identified in the applicable SB, is found on an aeroplane, before next flight, modify that aeroplane in accordance with the instructions of the applicable SB.



Modification:

- (3) For Group 2 aeroplanes: From the effective date of this revised AD, it is allowed to modify an aeroplane in accordance with the instructions of an SB at the revision as listed in Table 1 of this AD, provided that, before next flight after that modification, an inspection and, depending on findings, applicable corrective action(s), are accomplished on that aeroplane in accordance with the instructions of the applicable SB.

Ref. Publications:

Airbus A320-26-1107 Revision 03 dated 19 June 2019.

Airbus A320-26-1109 Revision 01 dated 06 March 2019.

Airbus A320-26-1110 Revision 01 dated 06 March 2019.

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

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The original issue of this AD was posted as PAD 19-172 on 16 September 2019 for consultation until 14 October 2019. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51;
E-mail: account.airworth-eas@airbus.com.



Appendix 1 – Airbus SB effectivity by aeroplane model and MSN

SB A320-26-1082 Revision 07

Models: A320-214, A320-216

MSN: 0764, 3448, 4201, 4212, 4236-4237, 4562, 4641, 5098, 5420, 5706, 5824, 5863, 5908, 6015, 6096, 6204, 6215

SB A320-26-1099 Revision 01

Models: A320-216, A320-232

MSN: 2345, 3261

SB A320-26-1107 Revision 01

Models: A320-214, A320-216

MSN: 4815, 5109, 5215, 5359, 5627, 6048, 6088, 7136

SB A320-26-1107 Revision 02

Models: A320-214, A320-216

MSN: 3758, 4815, 5109, 5215, 5359, 5627, 6048, 6088, 7136

SB A320-26-1109

Models: A320-214, A320-216, A320-231, A320-232, A320-233

MSN: 0429, 0764, 2011, 2633, 2656, 2683, 2731, 3040, 3261, 3379, 3381, 3414, 3416, 3435, 3437, 3448, 3451, 3453, 3457, 3474, 3479, 3483, 3488, 3495-3497, 3517, 3524, 3528, 3541, 3543, 3547, 3554, 3570, 3572, 3618, 3621, 3622, 3641, 3659, 3668, 3674, 3676, 3693, 3707, 3713, 3724, 3734, 3736, 3743, 3748, 3755, 3760, 3762, 3767, 3781-3783, 3800, 3804, 3811-3812, 3837, 3863, 3873, 3891, 3896, 3902, 3917, 3931, 3943, 3949, 3986, 4008, 4023, 4030, 4053, 4059, 4066, 4070, 4077, 4079, 4083, 4110, 4113, 4118, 4124, 4130, 4146, 4156, 4158, 4170, 4177-4178, 4181, 4183, 4188, 4199, 4201, 4210, 4212, 4216, 4218, 4229, 4236, 4237, 4245, 4247, 4255, 4257, 4263, 4293, 4296, 4303, 4312, 4328, 4331, 4339, 4343, 4356, 4366, 4371, 4384, 4388, 4395, 4417, 4421, 4434, 4436, 4443, 4445, 4457, 4460, 4466, 4468, 4469, 4479, 4481, 4485, 4488, 4491-4493, 4495-4497, 4502, 4506, 4515, 4518, 4524, 4527, 4528, 4532, 4535, 4539, 4541, 4543, 4552, 4561, 4568, 4578, 4595-4596, 4603, 4608, 4609, 4612, 4614, 4615, 4630, 4632, 4637, 4639, 4645, 4647, 4651, 4653, 4690, 4694, 4700, 4701, 4724, 4752, 4754, 4757, 4762, 4770, 4772, 4780, 4784, 4786, 4802, 4804, 4806, 4810, 4812, 4813, 4818, 4827, 4848, 4849, 4855, 4858, 4860, 4861, 4865, 4868-4870, 4872, 4874, 4879, 4884, 4888, 4890, 4899, 4904, 4914, 4915, 4918, 4922, 4926, 4930, 4931, 4934, 4937, 4947, 4952, 4954, 4958, 4961, 4965, 4968, 4970, 4973, 4979-4980, 4990, 5000, 5010, 5011, 5017, 5024, 5027, 5030, 5036, 5039, 5050, 5055, 5060, 5073, 5076, 5078, 5080, 5086, 5089-5090, 5092-5095, 5098, 5120, 5127, 5142-5143, 5145, 5147, 5148, 5155, 5161, 5171, 5175, 5182, 5188-5190, 5194, 5198, 5206, 5211, 5217, 5218, 5228, 5230-5231, 5245, 5248, 5255, 5258-5260, 5262, 5264, 5266, 5270, 5274, 5276, 5281, 5291, 5296, 5298, 5301, 5302, 5305, 5307, 5311-5313, 5323, 5334-5335, 5341, 5348, 5349, 5351, 5355, 5361, 5362, 5365, 5375, 5379, 5390, 5393-5395, 5399, 5401, 5407, 5411, 5414-5417, 5420, 5423, 5426, 5429, 5433, 5436, 5437, 5448, 5449, 5452, 5460, 5472, 5473, 5476, 5479, 5482, 5489, 5492, 5496, 5499, 5502, 5507, 5511-5512, 5514, 5520, 5530-5532, 5537, 5541, 5544, 5551, 5553, 5556, 5560, 5566, 5571, 5574, 5576-5577, 5596-5599, 5605, 5612, 5613, 5618, 5631, 5637, 5641, 5649, 5662, 5675-5677, 5680, 5683, 5685, 5695, 5697, 5701, 5706, 5708, 5712, 5714, 5717, 5718, 5721, 5723, 5725, 5727, 5732, 5734, 5738, 5744, 5772, 5775, 5777, 5780, 5782, 5791, 5793, 5794, 5796, 5805-5807, 5811, 5813, 5814, 5819, 5821, 5824, 5828-5830, 5835,



5850, 5853, 5857, 5858, 5863, 5870, 5871, 5877, 5882, 5885, 5889, 5892, 5893, 5894, 5898, 5900, 5901, 5903, 5908, 5915, 5923, 5924, 5926, 5928, 5940, 5951, 5952, 5956, 5968, 5971, 5979, 5984, 5988, 5990, 5992, 6000, 6003, 6007, 6010, 6015, 6018, 6023, 6029, 6032, 6036, 6037, 6054, 6064, 6069, 6072, 6076, 6078, 6080, 6084, 6096, 6106, 6109, 6112, 6113, 6117, 6118, 6120, 6123, 6128, 6134, 6136, 6140, 6142, 6147, 6158, 6166, 6176, 6184, 6187, 6189, 6198, 6200, 6204, 6207, 6208, 6212, 6215, 6223, 6224, 6226, 6229, 6234, 6237, 6243, 6246, 6247, 6254, 6257, 6262, 6270, 6275, 6278, 6285, 6287, 6289, 6293, 6296, 6297, 6302, 6306, 6311, 6322, 6333, 6336, 6343, 6350, 6362, 6365, 6374, 6375, 6381, 6388, 6408, 6417, 6426, 6428, 6430, 6434, 6439, 6442, 6444, 6446, 6449, 6455, 6458, 6465, 6474, 6476, 6478, 6480, 6481, 6492, 6500, 6503, 6513, 6516, 6518, 6522, 6527, 6538, 6553, 6557, 6580, 6583, 6596, 6604, 6659, 6665, 6669, 6690, 6700, 6704, 6715, 6724, 6733, 6735, 6737, 6749, 6753, 6771, 6773, 6775, 6776, 6785, 6787, 6795, 6803, 6808, 6816, 6820, 6835, 6838, 6843, 6851, 6865, 6889, 6898, 6917, 6919, 6939, 6942, 6943, 6944, 6978, 6980, 7006, 7030, 7035, 7068, 7077, 7080, 7091, 7096, 7100, 7110, 7116, 7163, 7169, 7203, 7213, 7221, 7225, 7226, 7262, 7267, 7297, 7315, 7319, 7347, 7356, 7378, 7411, 7423, 7425, 7426, 7434, 7435, 7450, 7453, 7469, 7491, 7543, 7585, 7614, 7620

SB A320-26-1110

Models: A320-251N, A320-271N

MSN: 6772, 6829, 7124, 7150, 7195, 7209, 7236, 7273, 7309, 7401, 7417, 7459, 7466, 7475, 7480, 7483, 7486, 7505, 7508, 7512

