



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.: 19-041**

**Issued: 21 March 2019**

Note: This Proposed Airworthiness Directive (PAD) 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.

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 date indicated.

**Design Approval Holder's Name:**

AIRBUS HELICOPTERS

**Type/Model designation(s):**

AS 332, EC 225, AS 365 and EC 155 helicopters

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** EASA.R.002 and EASA.R.105

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2017-0226 dated 17 November 2017.

## ATA 11 – Placards and Markings – Inspection / Installation

### Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France, Aerospatiale

### Applicability:

AS 332 C, AS 332 C1, AS 332 L, AS 332 L1, AS 332 L2, EC 225 LP, AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1 helicopters, all manufacturer serial numbers, equipped with at least one energy absorbing seat as identified by Part Number (P/N) in Appendix 1 of this AD, except AS 332, EC 225, AS 365 and EC 155 helicopters embodying one of the AH modifications listed in Table 1 of this AD.

### Definitions:

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

**The applicable inspection ASB:** AH Alert Service Bulletin (ASB) AS332-01.00.85, ASB EC225-04A012, ASB AS365-01.00.66 and ASB EC155-04A013, as applicable.

**The applicable modification ASB:** AH ASB AS332-25.03.16, ASB AS332-25.03.41, ASB AS332-25.03.42, ASB EC225-25A179, ASB EC225-25A203, ASB AS365-25.01.67 and ASB EC155-25A144, as applicable.



**Reason:**

During certification of an energy absorbing seat, it was observed that the label which provides information to keep the space under the seat free of any object was not systematically installed on a helicopter.

This condition, if not corrected, may prompt occupants to stow objects under the seat, thereby reducing the efficiency of the energy-absorbing function of the seat, possibly resulting in reduced survivability of occupant(s) in case of an accident.

To address this potential unsafe condition, and pending a final solution, AH issued inspection ASBs to provide instructions for inspection and corrective action.

Consequently, EASA issued AD 2014-0204 to require a one-time inspection for the presence of warning label(s) and, depending on findings, installation of locally made label(s) prohibiting stowage of any object under an energy-absorbing seat.

After that AD was issued, AH designed new labels for AS 332 and EC 225 helicopters and issued Revision 01 of ASB AS332-01.00.85 and ASB EC225-04A012, as well as ASB AS332-25.03.16, ASB AS332-25.03.41, ASB AS332-25.03.42, ASB EC225-25A179 and ASB EC225-25A203 to provide instructions for installation of the new labels. Prompted by this development, EASA issued AD 2017-0226 to require installation of the new labels for AS 332 and EC 225 helicopters.

Since that AD was issued, AH has also designed new labels for AS 365 and EC 155 helicopters and issued Revision 1 of ASB AS365-01.00.66 and ASB EC155-04A013, as well as ASB AS365-25.01.67 and ASB EC155-25A144.

For the reason described above, this AD retains the requirements of EASA AD 2017-0226, which is superseded, and expands the applicability to include certain AS 365 and EC 155 helicopters.

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

Required as indicated, unless accomplished previously:

Table 1 – Installation of Label Prohibiting Storage under the Seat

Helicopter Model(s)	Modification	Seat (position)
AS 332 (all models)	0728251 or 332P084159	Cabin
	0728352 or 332P084160	Cockpit
	0728403 or 332P084161	3 <sup>rd</sup> Crew Member
EC 225 LP	0728251 or 332P084159	Cabin
	0728352 or 332P084160	Cockpit
AS 365 and EC 155	365V874113.00	All seat configurations



**Inspection(s):**

- (1) Within the compliance time as listed in Table 2 of this AD, inspect the helicopter for the presence of a readable label(s), displayed in a conspicuous place and clearly visible to each occupant, in accordance with the instructions of paragraph 3B of the applicable inspection ASB.

Table 2 – Inspection for Presence of a Label

Helicopter Models	Compliance Time
AS 332 C1, L1 and L2, EC 225 LP, AS 365 N2 and N3, EC 155 B and B1	Within 110 flight hours (FH) or 30 days, whichever occurs first after 25 September 2014 [the effective date of EASA AD 2014-0204]
AS 332 C and L	Within 110 FH or 30 days, whichever occurs first after 01 December 2017 [the effective date of EASA AD 2017-0226]

**Corrective Action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, a missing or unreadable label is identified, or a label is not located in a conspicuous place, before next flight, install a locally made label prohibiting stowage of any object under an energy-absorbing seat in accordance with the instructions of paragraph 3B the applicable inspection ASB.

**Modification:**

- (3) Within the compliance time defined in Table 3 of this AD, install new labels prohibiting stowage of any object under an energy-absorbing seat in accordance with the instructions of paragraph 3B of the applicable modification ASB.

Table 3 – Label installation

Helicopter Models	Compliance Time
AS 332 C, AS 332 C1, AS 332 L, AS 332 L1, AS 332 L2 and EC 225 LP	Within 110 FH or 6 months, whichever occurs first after 01 December 2017 [the effective date of EASA AD 2017-0226]
AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1	Within 110 FH or 6 months, whichever occurs first after the effective date of this AD

**Credit:**

- (4) An AS332 or EC 225 helicopter delivered after 07 September 2017 is not affected by the requirements of this AD, provided that no seat, as identified in Appendix 1 of this AD, has been installed on that helicopter since its delivery.

**Ref. Publications:**

AH ASB AS332-01.00.85 original issue dated 26 August 2014, or Revision 01 dated 07 September 2017.

AH ASB EC225-04A012 original issue dated 26 August 2014, or Revision 01 dated 07 September 2017.



AH ASB AS365-01.00.66 original issue dated 26 August 2014, or Revision 01 dated 12 February 2019.

AH ASB EC155-04A013 original issue dated 26 August 2014, or Revision 01 dated 12 February 2019.

AH ASB AS332-25.03.16 original issue dated 07 September 2017.

AH ASB AS332-25.03.41 original issue dated 07 September 2017.

AH ASB AS332-25.03.42 original issue dated 07 September 2017.

AH ASB EC225-25A179 original issue dated 07 September 2017.

AH ASB EC225-25A203 original issue dated 07 September 2017.

AH ASB AS365-25.01.67 original issue dated 12 February 2019.

AH ASB EC155-25A144 original issue dated 12 February 2019.

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

#### Remarks:

1. This Proposed AD will be closed for consultation on 18 April 2019.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, please contact: Airbus Helicopters (Technical Support), Aéroport de Marseille Provence 13725 Marignane Cedex, France, Telephone +33 (0)4 42 85 97 97, Fax +33 (0)4 42 85 99 66, Web portal: <https://keycopter.airbushelicopters.com> > Technical Requests Management, E-mail: [support.technical-dyncomp.ah@airbus.com](mailto:support.technical-dyncomp.ah@airbus.com), and [TechnicalSupport.Helicopters@airbus.com](mailto:TechnicalSupport.Helicopters@airbus.com).



## Appendix 1 – Affected Seats

Seat Manufacturer	Seat Type	Generic P/N (see Note A1)
SOCEA SOGERMA	ST102	2510102-xx-xx
	ST107	2510107-xx-xx
	ST120	2520120-xx
SICMA Aero Seat, Zodiac Seats France	192	192xx-xx-xx
	159	1591718-xx
		159110
Fischer + Entwicklungen	H110	9606-( )-( )-( )
	H140	0520-( )-( )-( )
	H160	0718-( )-( )-( )-( )
	185-410	9507-( )-( )-( )
	236/406	9608-( )-( )-( )

Note A1: “xx” or “( )” may represent any alphanumerical value.

