

Subject: Hand-operated Fire Extinguishers – Removal from Service

Revision: This SIB revises EASA SIB 2019-16 dated 27 November 2019.

Ref. Publications:

umlaut engineering GmbH Vendor Service Bulletin (VSB) P3VSB000001, issue C dated 13 December 2019.

Applicability:

umlaut engineering GmbH (formerly P3 Engineering GmbH) Part Number (P/N) P3APP003010A and P/N P3APP003010C HAFEX (Halon-free) fire extinguishers, having a manufacturing date 03/2019, 04/2019, 05/2019, 06/2019 or 07/2019, and having a serial number (s/n) as listed in the referenced VSB.

These fire extinguishers are known to be installed on, **but not limited to**, Airbus A318, A319, A320, A321 and A350 aeroplanes; ATR 72 aeroplanes; Airbus Helicopters Deutschland MBB-BK 117 and EC135 helicopters; Airbus Helicopters AS 332, AS 365 and EC 155 helicopters; and Leonardo AW139, AW169 and AW189 helicopters.

Description:

Occurrences have been reported of a quality issue on certain Halon-free fire extinguishers, manufactured by umlaut engineering GmbH (formerly P3 Engineering GmbH), where the spindle geometries of the extinguishers were found to be out of tolerance. In case of previous unknown prolonged exposure (12 hours or more) to high non-operating temperature conditions of more than 68°C, this manufacturing defect could cause a non-detectable seizure of the spindle that could render the fire extinguisher inoperative. Initial impact analysis identified that the affected batch is limited to fire extinguishers manufactured between March 2019 and July 2019.

This SIB is revised to include reference to issue C of the VSB, which includes an updated list of s/n.

Risk assessment actions are on-going and, depending on the outcome, EASA may consider taking AD action(s) for specific aircraft types.

Recommendation(s):

EASA recommends all aircraft owners, operators, maintenance organisations and manufacturers to identify whether any affected fire extinguisher is installed on their aircraft, or held in any spares inventory, and to remove the affected fire extinguishers from service.

This is information only. Recommendations are not mandatory.



At this time, no information is available that would allow corrective action to be taken on the affected fire extinguishers.

Contact(s):

For further information contact the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.

For a copy of the [VSB issue C](#), information on the affected fire extinguishers, or technical assistance, contact: umlaut engineering GmbH (formerly P3 Engineering GmbH), Blohmstraße 12, 21079 Hamburg, Germany, E-mail: air_hafex@umlaut.com, website: <https://umlaut.com>.

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