EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	PAD No.: 11-031 **Date: 18 March 2011** 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.

Type Approval Holder's Name :	**Type/Model designation(s) :**
Intertechnique Aircraft Systems	Oxygen Mask Regulators

ETSO (JTSO) Authorisations: EASA 210.10033672; DGAC France QAC 54538/SFACT/TC, F.O.001, F.O.007, F.O.008 and F.O.073.

Foreign AD : Not applicable

Supersedure : None

ATA 35	**Oxygen – Oxygen Mask Regulator Inflatable Harness – Identification / Replacement**

Manufacturer(s):	Intertechnique (part of Zodiac Aerospace), EROS
Applicability:	Flight Crew Oxygen Masks Regulators, Part Number (P/N) MA10-12, MC10, MC20, MF10, MF20, MLC20, MLD20, MRA005, MRA022 and MRA023 series, as identified in Appendix II of Intertechnique Service Bulletin (SB) MXH-35-240. The affected Flight Crew Oxygen Masks Regulators are known to be installed on, but not limited to, aeroplanes manufactured by Airbus, ATR, Boeing, Bombardier (Canadair), Cessna, Dassault, EADS CASA, EMBRAER, Gulfstream, Israel Aircraft Industries (IAI), McDonnell Douglas, Piaggio, Pilatus, Piper and SOCATA.
Reason:	A malfunction of a quick donning mask was reported to Intertechnique, who initiated an investigation in order to detect the root cause and the failure mode. Despite the fact that the analysis did not lead to any final conclusion, discrete suspected silicon batches have been identified which have shown an unusually high premature rupture rate. This condition, if not detected and corrected, could lead, in case of a sudden depressurization event, to a harness rupture, thereby providing inadequate protection against hypoxia of the affected flight crew member, possibly resulting in unconsciousness and consequent reduced control of the aeroplane. For the reasons described above, this AD requires the identification and replacement of all potentially defective harnesses with serviceable units.

	Note 1: The affected batches were manufactured between December 2008 and August 2010, having dates codes 0850Z(X) (week 50 of 2008) through 1031Z(X) (week 31 of 2010). The (X) at the end of each date code could be one digit or two. In some cases, particularly for some 2009 production units, the week indication in the date code is given as a single digit (e.g. **094Z15**) instead of two (e.g. **0904Z15**). **Note 2**: Harness assemblies that do not have a date code were manufactured before week 33 of 2008 and are not affected by this unsafe condition.
Effective Date:	[14 days after Final AD issue date]
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 12 months after the effective date of this AD, accomplish the following actions: (1.1) Identify the P/N and batch number of the inflatable harness fitted to each Flight Crew Oxygen Mask Regulator that is installed in the aeroplane. (1.2) If the P/N and batch number, identified as required by paragraph (1.1) of this AD, are listed in Appendix I of Intertechnique Service Bulletin (SB) MXH-35-240, remove the inflatable harness from the mask regulator and replace it with a serviceable harness, in accordance with the instructions of Intertechnique SB MXH-35-240. (2) After the effective date of this AD, do not install a Flight Crew Oxygen Mask Regulator on an aeroplane, unless it has been determined that the P/N and batch number of the inflatable harness fitted to the Oxygen Mask Regulator is not listed in Intertechnique SB MXH-35-240.
Ref. Publications:	Intertechnique SB MXH-35-240 dated 25 February 2011. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. This Proposed AD will be closed for consultation on 15 April 2011. 2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: INTERTECHNIQUE, Christophe Besset, 61 rue Pierre Curie BP 1, 78373 PLAISIR CEDEX FRANCE, Telephone +33 1 6486, Fax +33 1 6486 6984, E-mail: christophe.besset@zodiacaerospace.com .