PILATUS AIRCRAFT LTD. STANS, SWITZERLAND

### SUBJECT: EASA AD 2013-0020R3 - SAFETY BELT AND TORSO RESTRAINT SYSTEM **MAINTENANCE**

Date: Jul 28/14

To all Customers, Operators and Service Centers:

Applicability: All PC-12 Series Aircraft

This Service Letter is issued to draw attention to the following EASA Airworthiness Directive:

### EASA AD 2013-0020R3

As a result of an investigation on some maintenance organisations, EASA have been made aware that safety belts and torso restraint systems manufactured by design approval holders have been maintained or repaired by maintenance organisations without holding approved maintenance data. In particular, affected restraint systems have been refurbished using webbing materials that have significantly different mechanical properties to those used to manufacture the original restraint systems.

Pilatus recommends that operators of PC-12 aircraft comply with EASA AD 2013-0020R3.

Operators who require further information should contact their Customer Liaison Manager at one of the following addresses given below:

PILATUS AIRCRAFT LTD. CUSTOMER SUPPORT MANAGER CH-6371 STANS **SWITZERLAND** 

General Aviation Tel: +41 41 619 3333 Fax: +41 41 619 7311 eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD. PRODUCT SUPPORT DEPARTMENT 11755 AIRPORT WAY BROOMFIELD, CO 80021 UNITED STATES OF AMERICA

Tel: +1 303 465 9099 Fax: +1 303 465 6040 eMail: Product support @PilBal.com PILATUS AUSTRALIA PTY LTD. 17 JAMES SCHOFIELD DRIVE ADELAIDE AIRPORT SA 5950 **AUSTRALIA** 

Tel: +61 8 8238 1600 Fax: +61 8 8234 4499 Free Call: +61 1800 PILATUS (745 2887) eMail: supportpc12@pilatus.com.au

Attachments: EASA AD 2013-0020R3





**PC-12** 

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# EASA

### **AIRWORTHINESS DIRECTIVE**

AD No.: 2013-0020R3

Date: 21 March 2014

Note: This Airworthiness Directive (AD) 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.

This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption]

Design Approval Holder's Names :		Type/Model designation(s):	
AmSafe Anjou Aeronautique Davis Aircraft Products Co. Schroth Safety Products GmbH Pacific Scientific		Safety Belts / Torso Restraint Systems	
(E)TSOA Number :	Various		
Foreign AD :	Not applicable		
Revision:	This AD revises EASA AD 20	13-0020R2 dated 11 July 2013	
ATA 25	Equipment & Furnishings – Safety Belts / Torso Restraint Systems – Inspection / Replacement		
Manufacturer(s):	AmSafe; Anjou Aeronautique (formerly TRW Repa S.A., formerly L'Aiglon); Davis Aircraft Products Co.; Schroth Safety Products GmbH; Pacific Scientific.		
Applicability:	y: All part numbers of safety belts and torso restraint systems installed on an aircraft where dynamically tested seats are required in accordance with airworthiness requirements like the European Certification Specifications (or JAR/FAR, paragraphs 23.562, 25.562, 27.562 and 29.562, if safety belt and torso restraint systems have been maintained or repaired after 28 September 2003 by maintenance organizations not holding the applicable maintenance data of the relevant approval holders, unless they are marke with European Parts Approval (EPA).		
	The affected safety belts and torso restraint systems may be installed on, but not limited to, the aircraft listed in Appendix 1 of this AD.		
	Note: This AD is applicable to safety belts and torso restraint systems, whose Component Maintenance Manuals (CMM) explicitly prohibit webbing replacement, unless this is accomplished by the design approval holder or by a repair station/maintenance organization authorized by the design approval holder.		

# EASA AD No: 2013-0020R3 Reason: As a result of an investigation on some maintenance organisations, EASA was made aware that safety belts and torso restraint systems manufactured by design approval holders have been maintained or repaired by maintenance organisations without holding approved maintenance data. In particular, the affected restraint systems have been refurbished using webbing materials having mechanical properties significantly different with respect to the materials used to manufacture the original restraint systems (e.g. nylon instead of polyester). Based on tests performed in the frame of an EASA approved STC (refurbishment of seat belts on dynamically tested seats in compliance with CS 25.562) and during a research project on safety belt performance launched by EASA, evidence was gained that different elongation properties of commonly available restraint systems webbing may reduce the energy absorption capability of the seat-restraint system and increase the risk of head injury to the occupant under dynamic crash landing conditions. Maintenance or repair of safety belts and torso restraint systems, if not assessed and justified in accordance with the dynamic test criteria, could therefore result in non-compliance with the applicable certification requirements for emergency landing dynamic conditions. As a consequence, safety belts and torso restraint system could fail to perform their intended function to protect each occupant during an emergency landing condition and to minimise the effects of survivable accidents. For the reasons described above, this AD requires to inspect safety belts and/or torso restraint systems installed on any aircraft (refer to Appendix 1 of this AD) to verify if they have been maintained or repaired by the design approval holder or by a repair station/maintenance organization authorized by the design approval holder, and to replace the affected safety belts and torso restraint systems with serviceable parts. Revision 1 of this AD was issued to clarify the Applicability of the AD and make some corrections to Appendix 1, as well as to correct a typographical error in the AmSafe Repair Station Reference Document number, which should be No. E512615 Rev. A, instead of E512165. In addition, the documents referenced in the "Ref. Publications" section of this AD were added in the compressed (zipped) file attached to the record of this AD at http://ad.easa.europa.eu. This AD revision 2 is issued to introduce an explanatory note in the AD "Required Actions and Compliance Time" section, and to amend type and model designation and add a recently approved model of one aircraft type in the Appendix 1. This AD revision 3 is issued to update AmSafe and Schroth reference publications. Effective Date: Revision 3: 28 March 2014 Revision 2: 11 July 2013 Revision 1: 12 March 2013 Original issue: 14 February 2013 Required Action(s) Required as indicated, unless previously accomplished: and Compliance (1) Within 6 months after 14 February 2013 [the effective date of the original Time(s): issue of this AD], inspect the markings of safety belts and/or torso restraint systems, to determine if they have been maintained or repaired

by organisations other than the design approval holder. A review of the applicable maintenance records is acceptable to identify the safety belts and/or torso restraint systems as specified in this paragraph, provided those records can be relied upon for that purpose, and the affected safety belts and/or torso restraint systems can be conclusively identified from

	that review.		
	(2) If safety belts and torso restraint systems have been maintained or repaired by an organisation other than the design approval holder, within 1 month after the inspection required by paragraph (1) of this AD, verify if the organisation is listed among the authorized maintenance or repair organisation reference documents quoted in the Ref. Publications section of this AD, or alternatively contact the design approval holder of the safety belts and torso restraint systems for confirmation that the maintenance or repair organisation had been authorised by them.		
	(3) If the safety belts and/or torso restraint systems have been maintained or repaired by a repair station/maintenance organization not authorized by the design approval holder, within 18 months after the inspection required by paragraph (1) of this AD, remove the safety belts and/or torso restraint systems and replace them with serviceable parts, or make the relevant seat inoperative.		
	Note 1: For the purpose of this AD, serviceable parts are new parts or part which have been maintained or repaired by the design approval holder or repair station/maintenance organization authorized by the design approval holder or parts marked with EPA.		
	Note 2: The requirements of paragraphs (1), (2) and (3) of this AD do not affect safety belts and/or torso restraint systems sub-assemblies whose replacement or any other action (e.g. cleaning) is accomplished in accordance with the applicable safety belts and/or torso restraint systems CMM.		
	(4) After 14 February 2013 [the effective date of the original issue of this AD], do not install safety belts or torso restraint systems on any aircraft, unless inspected and corrected in compliance with the requirements of this AD.		
Ref. Publications:	AmSafe Repair Station Reference Document N. E512615 Rev. B , dated 16 September 2013.		
	Anjou Aeronautique – 11, Rue Marbeuf 75008 Paris - France and ROMTEX ANJOU AERONAUTIQUE, Romanian CAA authorisation N. RO.145.035.		
	Davis Aircraft Products Co., Inc. FAA approved repair station # D5PR729J and Davis Restraint Systems FAA approved repair station # GK3R530L.		
	Pacific Scientific Service Information Letter (SIL) No. 25-0303A dated 13 November 2012.		
	Schroth Service Information Letter SIL SSP-006 Revision C dated 15 January 2014.		
Remarks:	If requested and appropriately substantiated, EASA can approve     Alternative Methods of Compliance for this AD.		
	<ol> <li>The original issue of this AD was posted on 27 November 2012 as PAD 12-151 for consultation until 27 December 2012. The Comment Response Document can be found at <a href="http://ad.easa.europa.eu">http://ad.easa.europa.eu</a>.</li> </ol>		
	<ol> <li>Enquiries regarding this AD should be referred to Safety Information Section, Executive Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> </ol>		
	For any question concerning the technical content of the requirements in this AD, please contact:		
	AmSafe Aviation, 1043 N. 47th Avenue, Phoenix, Arizona 85043, U.S.A Telephone: +1 602 850 2850; Fax: +1 602 850 2812 ;		
	Anjou Aeronautique, 11, rue Marbeuf, 75008 Paris - France Telephone: +40 269 243 918; Fax: +33 (0) 2 41 42 15 77 or +40 269 243 921;		

1150 Walnut Avenue, Bohemia, New York 11716, U.S.A.; Telephone +1 631-563-1500 ; Fax +1 631-563-1117;

Pacific Scientific Aviation Services, 11700 N.W. 102nd Rd. #6, Miami, Florida 33178, U.S.A.; Telephone: +1 305 477 4711; Fax +1 305 477 9799;

Schroth Safety Products GmbH, Im Ohl 14, D-59757 Arnsberg, Germany; Telephone +49 (0) 29 32-97 42 0; Fax +49 (0) 29 32-97 42 42.

# **APPENDIX 1**

### **General Aviation**

Aero Vodochody a.s.         Ae 270         Ae 270           Aviatech Technical Services         OMF-100         OMF-100-160           Costruzioni Aeronautiche TECNAM S.r.I         P2006         P2006T           Diamond Aircraft Industries GmbH         DA 40         DA 40, 40D, 40F, 40NG           Da 42         DA 42, 42M, 42M-NG, 42M NG         DA 42 M (R), M-NG ®           Extra Flugzeugproduktions- und Vertriebs Gmbh         EA 400         EA 400, 400-500           Gomolzig Flugzeug- und Maschinenbau GmbH         EA 400         EA 400, 400-500           Grob Aircraft AG         G 120         G 120A, 120A-1           Instytut Lotnictwa         I-23         I-23           OMA SUD Sky Technologies S.p.A.         SKYCAR         SKYCAR           Pilatus Aircraft Ltd         PC-12         PC-12, 12/45, -12/47           SOCATA         TBM 700         TBM 700 C2 and N variants           XtremeAir GmbH         XA42         XA41, XA42           ZAKLADY LOTNICZE Margański & Myslowski Sp. 2         EM-11C ORKA         EM-11C ORKA           EM-11C ORKA         EM-11C ORKA         EM-11C ORKA           Liberfira a.s.         2143         2143 L, 143 Lsi           Lichoffmann         H 40         H 40           H 40         H 40         H 40	TC HOLDER	TYPE	MODEL
Diamond Aircraft Industries GmbH	Aero Vodochody a.s.	Ae 270	Ae 270
DA 40	Aviatech Technical Services	OMF-100	OMF-100-160
Diamond Aircraft Industries GmbH	Costruzioni Aeronautiche TECNAM S.r.I	P2006	P2006T
DA-42 (Restricted)		DA 40	DA 40, 40D, 40F, 40NG
Extra Flugzeugproduktions- und Vertriebs Gmbh         EA 400         EA 400, 400-500           Gomolzig Flugzeug- und Maschinenbau GmbH         R 90-230RG         R 90-230RG           Grob Aircraft AG         G 120         G 120A, 120A-I           Instytut Lotnictwa         I-23         I-23           OMA SUD Sky Technologies S.p.A.         SKYCAR         SKYCAR           Pilatus Aircraft Ltd         PC-12         PC-12, -12/45, -12/47           SOCATA         TBM 700         TBM 700 C2 and N variants           XtremeAir GmbH         XA42         XA41, XA42           ZAKŁADY LOTNICZE Margański & Mysłowski Sp. zo.         EM-11C ORKA         EM-11C ORKA           ZLIN Aircraft a.s.         Z 143         Z 143 L, 143 Lsi         Z 242 L           Hoffmann         H 40         H 40         H 40           172 (Skyhawk)         172R, 172S         182 (Skylane)         182S, 182T, T182T           206H (Stationair)         206H, T206H         208 (Caravan I)         208, 208B           Cessna Aircraft Company         510 (Mustang)         510         525, 525A, 525B, 525C           LC40-550FG         LC40-550FG         LC40-550FG         LC40-550FG           LC40-550FG         LC40-550FG         LC40-550FG         LC40-550FG           LC74-550	Diamond Aircraft Industries GmbH	DA 42	DA 42, 42M, 42M-NG, 42M NG
Gomolzig Flugzeug- und Maschinenbau GmbH   R 90-230RG   R 90-230RG   G 120   G 120A , 120A-I		DA-42 (Restricted)	DA 42 M (R), M-NG ®
Grob Aircraft AG	Extra Flugzeugproduktions- und Vertriebs Gmbh	EA 400	EA 400, 400-500
Instytut Lotnictwa	Gomolzig Flugzeug- und Maschinenbau GmbH	R 90-230RG	R 90-230RG
OMA SUD Sky Technologies S.p.A.         SKYCAR         SKYCAR           Pliatus Aircraft Ltd         PC-12         PC-12, -12/45, -12/47           SOCATA         TBM 700         TBM 700 C2 and N variants           XtremeAir GmbH         XA42         XA41, XA42           ZAKŁADY LOTNICZE Margański & Mysłowski Sp. z o.o.         EM-11C ORKA         EM-11C ORKA           ZLIN Aircraft a.s.         Z 143         Z 143 L, 143 Lsi           Z 242         Z 242 L         L           H 40         H 40         H 40           H 40         H 40         H 40           L (Skylane)         182 S, 182T, 1782T           206H (Stationair)         206H, T206H           208 (Caravan I)         208, 208B           510 (Mustang)         510 (Mustang)           510 (Mustang)         510 (Mustang)           525 (ZitationJet)         525, 525A, 525B, 525C           LC40-550FG         LC40-550FG           LC Series         LC41-550FG, LC42-550FG           Cirrus Design Corporation         SR20/22         SR20, SR22, SR22T           Eclipse Aerospace Incorporated         EA500         EA500           Empresa Brasileira de Aeronàutica SA         EMB-500 (Phenom 100)         EMB-500           GA8 Airvan Pty Ltd	Grob Aircraft AG	G 120	G 120A , 120A-I
Pilatus Aircraft Ltd	Instytut Lotnictwa	I-23	I-23
SOCATA	OMA SUD Sky Technologies S.p.A.	SKYCAR	SKYCAR
XKTEMEAIR GMDH	Pilatus Aircraft Ltd	PC-12	PC-12, -12/45, -12/47
ZAKŁADY LOTNICZE Margański & Mysłowski Sp. z 0.0.   EM-11C ORKA   EM-11C ORKA   EM-11C ORKA   EM-11C ORKA   Z 143	SOCATA	TBM 700	TBM 700 C2 and N variants
Z 143	XtremeAir GmbH	XA42	XA41, XA42
Z 242		EM-11C ORKA	EM-11C ORKA
Table   Tabl	71 INI Airenaff a c	Z 143	Z 143 L, 143 Lsi
172 (Skyhawk)   172R , 172S   182 (Skylane)   182S , 182T, T182T   206H (Stationair)   206H, T206H   208 (Caravan I)   208, 208B   510 (Mustang)   510   525 (CitationJet)   525, 525A, 525B, 525C   LC40-550FG   LC40-550FG   LC40-550FG   LC41-550FG, LC42-550FG   LC Series   LC41-550FG, LC42-550FG   LC41-550FG, LC42-550FG   LC Series   LC41-550FG, LC42-550FG   LC41-550FG, LC42-550FG   LC Series   LC41-550FG, LC42-550FG   LC41-550FG, LC42-550FG   LC41-550FG, LC42-550FG   LC41-550FG, LC41-550F	ZLIN AIrcraft a.s.	Z 242	Z 242 L
182 (Skylane)   182S , 182T, T182T   206H (Stationair)   206H, T206H   208 (Caravan I)   208, 208B   510 (Mustang)   510   525 (CitationJet)   525, 525A, 525B, 525C   LC40-550FG   LC40-550FG   LC40-550FG   LC40-550FG   LC41-550FG, LC42-550FG   LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG   LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG, LC41-550FG   LC41-550FG,	Hoffmann	H 40	H 40
Cessna Aircraft Company         206H (Stationair)         206H, T206H           208 (Caravan I)         208, 208B           510 (Mustang)         510           525 (CitationJet)         525, 525A, 525B, 525C           LC40-550FG         LC40-550FG           LC Series         LC41-550FG, LC42-550FG           Cirrus Design Corporation         SR20/22         SR20, SR22, SR22T           Eclipse Aerospace Incorporated         EA500         EA500           Empresa Brasileira de Aeronàutica SA         EMB-500 (Phenom 100)         EMB-500           GA8 Airvan Pty Ltd         GA8         GA8, GA8-TC 320           Hawker Beechcraft Corporation         390         390 (Premier I, Premier IA)           Liberty Aerospace Incorporated         XL-2         Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001		172 (Skyhawk)	172R , 172S
Cessna Aircraft Company         208 (Caravan I)         208, 208B           510 (Mustang)         510           525 (CitationJet)         525, 525A, 525B, 525C           LC40-550FG         LC40-550FG           LC Series         LC41-550FG, LC42-550FG           Cirrus Design Corporation         SR20/22         SR20, SR22, SR22T           Eclipse Aerospace Incorporated         EA500         EA500           Empresa Brasileira de Aeronàutica SA         EMB-500 (Phenom 100)         EMB-500           GA8 Airvan Pty Ltd         GA8         GA8, GA8-TC 320           Hawker Beechcraft Corporation         390         390 (Premier I, Premier IA)           Liberty Aerospace Incorporated         XL-2         Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001		182 (Skylane)	182S , 182T, T182T
S10 (Mustang)   S10		206H (Stationair)	206H, T206H
510 (Mustang)   510	Casana Airaraft Campany	208 (Caravan I)	208, 208B
LC40-550FG LC Series LC41-550FG, LC42-550FG LC Series LC41-550FG, LC42-550FG SR20/22 SR20, SR22, SR22T Eclipse Aerospace Incorporated EMB-500 Empresa Brasileira de Aeronàutica SA EMB-500 (Phenom 100) EMB-500 EMB-505 GA8 Airvan Pty Ltd GA8 GA8, GA8-TC 320 Hawker Beechcraft Corporation  SR20/22 SR20, SR22, SR22T EA500 EMB-500 EMB-500 EMB-500 EMB-500 EMB-505 SA8 GA8, GA8-TC 320 AND SA8 AND	Cessna Aircraft Company	510 (Mustang)	510
LC Series LC41-550FG, LC42-550FG  Cirrus Design Corporation SR20/22 SR20, SR22, SR22T  Eclipse Aerospace Incorporated EA500 EA500  Empresa Brasileira de Aeronàutica SA EMB-500 (Phenom 100) EMB-500  EMB-505 (Phenom 300) EMB-505  GA8 Airvan Pty Ltd GA8 GA8, GA8-TC 320  Hawker Beechcraft Corporation 390 390 (Premier I, Premier IA)  Liberty Aerospace Incorporated XL-2 Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001		525 (CitationJet)	525, 525A, 525B, 525C
Cirrus Design CorporationSR20/22SR20, SR22, SR22TEclipse Aerospace IncorporatedEA500EA500Empresa Brasileira de Aeronàutica SAEMB-500 (Phenom 100)EMB-500EMB-505 (Phenom 300)EMB-505GA8 Airvan Pty LtdGA8GA8, GA8-TC 320Hawker Beechcraft Corporation390390 (Premier I, Premier IA)Liberty Aerospace IncorporatedXL-2 Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001		LC40-550FG	LC40-550FG
Eclipse Aerospace Incorporated  Empresa Brasileira de Aeronàutica SA  EMB-500 (Phenom 100) EMB-500  EMB-505 (Phenom 300) EMB-505  GA8 Airvan Pty Ltd  GA8  GA8, GA8-TC 320  Hawker Beechcraft Corporation  July 2 September 1, Premier IA)  XL-2  Yes for s/n 0007 and 0009  through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001		LC Series	LC41-550FG, LC42-550FG
Empresa Brasileira de Aeronàutica SA  EMB-500 (Phenom 100) EMB-500  EMB-505  GA8 Airvan Pty Ltd  GA8  GA8, GA8-TC 320  Hawker Beechcraft Corporation  390  390 (Premier I, Premier IA)  XL-2  Yes for s/n 0007 and 0009  through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001	Cirrus Design Corporation	SR20/22	SR20, SR22, SR22T
Empresa Brasileira de Aeronàutica SA  EMB-505 (Phenom 300)  EMB-505  GA8 Airvan Pty Ltd  GA8  GA8, GA8-TC 320  Hawker Beechcraft Corporation  390  390 (Premier I, Premier IA)  XL-2  Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001	Eclipse Aerospace Incorporated	EA500	EA500
GA8 Airvan Pty Ltd GA8 GA8, GA8-TC 320 Hawker Beechcraft Corporation 390 Substitute 1, Premier IA)  XL-2 Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-001	Francis Duncileiro de Acces à disc CA	EMB-500 (Phenom 100)	EMB-500
Hawker Beechcraft Corporation  390  390 (Premier I, Premier IA)  XL-2  Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08- 001	Empresa Brasileira de Aeronautica SA	EMB-505 (Phenom 300)	EMB-505
Liberty Aerospace Incorporated  XL-2  Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08- 001	GA8 Airvan Pty Ltd	GA8	GA8, GA8-TC 320
Liberty Aerospace Incorporated  XL-2  Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08- 001	Hawker Beechcraft Corporation	390	390 (Premier I, Premier IA)
Pacific Aerospace Ltd. 750XL 750XL	Liberty Aerospace Incorporated	XL-2	Yes for s/n 0007 and 0009 through 0125 that have not been modified per Liberty gross weight increase kit RKI-SIL-08-
	Pacific Aerospace Ltd.	750XL	750XL

# APPENDIX 1 - continued

# Large Aeroplanes

TC HOLDER	TYPE	MODEL
328 Support Services	Dornier 328	
	A318	
Atalona	A330	
Airbus	A340	
	A380	
Alenia Aeronautica	C-27J	
Antono	AN124-100	
Antonov	AN-26	
BAE Systems (Operations) Ltd	Jetstream 4100 Series	
	737 NG	737-600 and -700 (146-149 PAX), 737-800 and -900 (181-189 PAX) and -900ER
Boeing	747	747-8
	767	767-400ER
	777	
	787	
	BD-100	
Bombardier	BD-700	
Bombardiei	CL-600	
	DHC-8 Series	DHC-8-400 Series
	Cessna 560 XL, Variant XLS+	
Cessna	Cessna 680	
	Cessna 750	
Dassault Aviation	Falcon 2000, 2000EX	
Dassault Aviation	Falcon 7X	
	EMB-135/-145	
Embraer	ERJ-170	
	ERJ-190	
Fokker Services B.V.	Fokker F28 series	F28 Mark 0070
Gulfstream Aerospace Corporation	G-159 (GI), G-1159 (GII), G-1159B (GIIB), G-1159A (GIII), GIV, GIV-X, GV, GV-SP and GVI	
Culfatroom Agreement D	G150	
Gulfstream Aerospace LP	G200/Galaxy	
Hawker Beechcraft Corporation	Hawker 4000	
Learjet	Learjet 45	
SAAB AB	Saab 2000	
Sukhoi	Sukhoi RRJ-95	

# APPENDIX 1 - continued

### Rotorcraft

TC HOLDER	TYPE	MODEL
Poll Holicontor Toytron Conado I td	427	
Bell Helicopter Textron Canada Ltd	429	
	EC 120 B	
Eurocopter	EC 130 T2	
Larosoptor	EC225LP	Potentially affected for new cabin layouts.
Eurocoptor Doutschland	MBB-BK117 C-2	
Eurocopter Deutschland	EC135	
	AB139, AW139	
AgustaWestland	A109S, A109SP	Potentially affected: Compliant Seat kits have been installed
Sikorsky	S-92A	
Guimbal	Cabri G2	
PZL	SW-4	
MD Helicopters Inc.	MD900	

