

ATA CHAPTER 25	DECLARATION OF DESIGN AND PERFORMANCE	DDP-No: 269 ISSUE: 02 Date: 05 Mar 2012
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TECHNICAL SPECIFICATION:	2521 M1F 1000 00
ISSUE:	02
EQUIPMENT DESIGNATION:	passenger seats for DLH A321, A320 & A319
MODEL / TYPE NUMBER(S):	F/C B/C E/C BL3520 D and BL3520 E
VENDOR TSO/ JTSO BASIC P/N's	refer to appendix
VENDOR SEAT PART NUMBER (S):	refer to appendix
MANUFACTURER:	RECARO Aircraft Seating GmbH & Co. KG
EQUIPMENT CLASSIFICATION:	Type B
SOFTWARE CRITICALITY:	none
BRIEF TECHNICAL DESCRIPTION:	refer a.m. specification
PERFORMANCE:	refer a.m. specification
GUARANTEED WEIGHT:	refer appendix
LIMITATIONS FOR OPERATING:	n/a
LIMITATIONS FOR HANDLING:	n/a
DEVIATION FROM SPECIFICATION:	ABD0031 (Smoke & Toxicity) see page 3 Deviations as per Compliance Matrix (retrofit) SCL078-00
QUALITY CONTROL PROCEDURE:	refer a.m. specification
MAINTENANCE AND OPERATIONAL INSTRUCTION:	CMM 25-21-79
REMARKS:	none

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LOG OF REVISIONS			
ISSUE	DESCRIPTION	PREPARED BY	DATE
00	Original release (Retrofit programs)	K. Sutich	09.11.2010
01	Updated to incorporated latest revisions of test reports as well as new LV & LV Pouch P/N table.	K. Sutich	06.12.2010
02	Updated CTP592, CTR673 and FBR117 due to DCs 102801, 102181, 102777 (include extension cloth, new Fabric Backrest & Loop Tape). In addition, updated revisions CTR643 and CTP342.	M. Kühnle	05.03.2012

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QUALIFICATION JUSTIFICATION/ TEST:

<u>QUALIFICATION TESTS ACCORDING TECHNICAL SPECIFICATION</u>	<u>REPORT/ JUSTIFICATION DOCUMENT</u>	
ENVIRONMENT	Airbus Seat Frame Specification TITLE/ NO: 2521 M1F 1000 00 Rev.: 02	
Static Test:	Plan no.: CTP388-00 CTP342-02	Report no.: CTR643-03 CTR724-01
Dynamic Test:	Plan no.: CTP621-01 CTP622-01 CTP623-01	Report no.: CTR707-01 CTR708-01 CTR709-01
Interface Loads:		Report no.: CER104-01 CER107-02
TSO/ JTSO letter (C39b or C127a for Basic seat model), CAA letter, TSO C72c for flotation cushions:	3520D 3520E	EASA ETSO-C27a letter ref.: EASA.21O.10032367 EASA.21O.10032366
FAR/JAR 25.853 &: ABD0031	Plan no.: CTP592-06 CTP600-01 (SC)	Report no.: CTR673-03 CTR674-00 (SC) FBR117-02
Failure Modes & Effects Analysis: (FMEA) (electr. Oper. & convertible seats only)		Report no: n/a
Qualification Test for Environmental Conditions	Plan no.: QTP346-01	Report no.: QTR557-01
Qualification test for electrical. Parts under seat vendor responsibility	Plan no.: n/a	Report no.: n/a
Sustained Engine Imbalance (Windmilling) A340-500/-600 only	Plan no.: n/a	Report no.: n/a
Endurance	Plan no.: n/a	Report no.: n/a
Compliance Matrix	Customer Specific Compliance Matrix	SCL078-00

FOR SOFTWARE EQUIPMENT ONLY:

ACCOMPLISHMENT SUMMARY:	Not applicable
SOFTWARE QUALITY ASSURANCE AND CONFIGURATION MANAGEMENT PLAN:	Not applicable
CONFIGURATION INDEX DOCUMENT:	Not applicable

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THE SEAT SUPPLIER HEREBY CERTIFIES, THAT THE INFORMATION CONTAINED IN THIS DECLARATION OF DESIGN AND PERFORMANCE COMPLIES WITH THE REQUIREMENT OF THE TECHNICAL SPECIFICATION AND IS AUTHORITY OF RECARO AIRCRAFT SEATING GmbH & Co. KG

WITHOUT WRITTEN AGREEMENT, I DECLINE A RESPONSIBILITY IN THE EVENT OF UNSATISFACTORY OPERATION OF THE EQUIPMENT BEYOND OPERATIONAL CONDITIONS AND LIMITATIONS INDICATED ABOVE:

DDP ACCEPTANCE STATUS:

	NAME	SIGNATURE	DATE
SUPPLIER	A. Schwarz Head of Platform Development E/CL		07.03.2012
SUPPLIER	W. Kerper Head of Airworthiness Office		06.03.2012
SUPPLIER (QUALITY ASSURANCE)	H. Lischka Head of R&D Quality		7.3.2012

A/C MANUFACTURER'S DESIGN OFFICE			
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APPENDIX

Part Numbers and weights for :

- I. TSO/ JTSO Basic P/N (if applicable)
- II. Assembly Seat P/N
- III. + IV. Seat Belt & Fabric P/N of seat
- V. P/N's of all electrical components such as cables, PCU, LCD, actuator, SCB, etc.
- VI. Life Vest P/N's & LV Pouch P/N.

Item No.	I. Basic – P/N	II. Assembly Seat – P/N	Max. integrated Seat Weight (est.) in kg	A321	A319	A320
1.	3520D919-22Z021	3520D919-22-021	23,1	X	-	-
2.	3520D919-22Z011	3520D919-22-011	23,1	X	-	-
3.	3520D919-32Z051	3520D919-32-051	30,6	X	X	X
4.	3520D919-32Z021	3520D919-32-021	34,5	-	X	X
5.	3520D919-22Z221	3520D919-22-221	28,8	X	-	-
6.	3520D919-32Z091	3520D919-32-091	33,7	X	-	-
7.	3520D919-22Z061	3520D919-22-061	38,5	X	-	-
8.	3520D919-32Z011	3520D919-32-011	34,5	X	X	X
9.	3520D919-32Z211	3520D919-32-211	37,2	X	X	X
10.	3520D919-22Z251	3520D919-22-251	41,1	X	-	-
11.	3520D919-31Z071	3520D919-31-071	34,0	X	-	-
12.	3520D919-21Z011	3520D919-21-011	23,1	X	-	-
13.	3520D919-31Z041	3520D919-31-041	30,6	X	X	X
14.	3520D919-31Z031	3520D919-31-031	34,5	X	X	X
15.	3520D919-31Z211	3520D919-31-211	37,2	-	X	X
16.	3520D919-31Z091	3520D919-31-091	33,7	X	-	-
17.	3520D919-21Z061	3520D919-21-061	38,5	X	-	-
18.	3520D919-31Z011	3520D919-31-011	34,5	X	X	X

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Item No.	I. Basic – P/N	II. Assembly Seat – P/N	Max. integrated Seat Weight (estimated) in kg	A321	A319	A320
19.	3520D919-31Z021	3520D919-31-021	34,5	-	X	X
20.	3520D919-31Z221	3520D919-31-221	42,5	X	-	-
21.	3520D919-21Z251	3520D919-21-251	41,1	X	-	-
22.	3520D919-31Z241	3520D919-31-241	42,5	X	-	-
23.	3520E919-32Z011	3520E919-32-011	37,3	-	X	X
24.	3520E919-31Z011	3520E919-31-011	37,3	-	X	X
25.	3520E919-32Z021	3520E919-32-021	37,3	-	-	X
26.	3520E919-31Z021	3520E919-31-021	37,3	-	-	X

Item No.	III. Seat Belt P/N	TSO letter	CAA approval letter	IV. Leather P/N	Flam. Report
1.	AMSAFE 2192-1-011-8088	TSO-C22g	N/A	Seat: Schauenburg Leather Ambalite granit grey NCS-S8000-N NA560980 smooth Ambalite dusty grey NCS-S6500-N NA560920 smooth	See page 3
2.	-	-	-	Backrest: Schauenburg Leather Ambalite granit grey NCS-S8000-N NA560983 perforated Ambalite dusty grey NCS-S6500-N NA560920 smooth RAL9006 embroidered	See page 3

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V. Electr. Parts under Airbus responsibility (IFE, PC-Power, etc.)		
Item No.	Description	P/N
1.	N/A	N/A

VI. Life Vest P/N's & LV Pouch P/N			
Item No.	Life Vest P/N	Life Vest Pouch P/N	Retention / Retrieval
1.	Easter Aero Marine P0723-2-301V	139-00-287-60	CTR707-01
2.	Easter Aero Marine P0723-2-301		
3.	Switlik S-51950-6300-119101		
4.	Switlik S-51950-6300-119089		