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DECLARED MATERIAL LIST

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Group 1 : Aluminium and aluminium alloys																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1			9.2	9.3			
Item No:	Commercial Identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r	S C C	F l a m	O F T G	O U T G	Justification for approval	Prime App.	ESA App.
1.1	Wk 3.4365 (AA 7075)	AlZnMgCu1.5 Al Alloy	Apollo Metall GmbH, Rodgau (D)	Cond. T7351	Struct. parts	I L	V /	2 4	V2		A				PSS-01-736		
1.2	Wk 3.3535 (AA 5154) Tube	AlMg3 Al Alloy	Manfred J.C.Niemann Hannover (D)		Dipol Tubes	I L	V /	2 4	V2		A				PSS-01-736		

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Group 2 : Copper and copper alloys																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1						9.2	9.3
Item No :	Commercial identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r r	S C C	F l a m e	O F G	O U T G	Justification for approval	Prime App.	ESA App.
2.1	Wk 2.1247.54	25 1/4H CUBE2 F520, Cu Alloy	Deutsche Berylco, Oberursel/Ts.(D)		Switch	I	V	2	V0								

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Group 5 : Steels																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1						9.2	9.3
Item No:	Commercial Identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C	S	F	O	O	Justification for approval	Prime App.	ESA App.
										o	C	l	F	U			
										rr	C	m	F	T			
													G	G			
5.1	Cold rolled Steel	Stainless Steel	BMI (Bayerische Massindustrie)	Commercial product	Carpenter Springs	I	V	2	V1		A						
						L	/	4									

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Group 6 : Stainless steels																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1						9.2	9.3
Item No:	Commercial identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r r	S C C	F l a m m	O F G	O U T G	Justification for approval	Prime App.	ESA App.
6.1	Wk 1.4301 (AISI 301)	X5CrNi 18.9	Luenemann, Goettingen (D)	A 11	Pins	I	V	2	V1		A				PSS-01-736		
6.2	Wk 1.4310	X12CrNi 17 7	Gutekunst, Metzingen(D)		Springs	I	V	2	V1		A				PSS-01-736		
6.3	Wk 1.4401 (AISI 316)	X5CrNiMo 18-10	Hummer & Riess, Nuernberg (D)		Bolts	I	V	2	V1		A				PSS-01-736		
6.4	Wk 1.4401 (AISI 316)	X5CrNiMo 18-10	Carl Stahl, MicroCableS Suessen (D)		String (Pyro)	I	V	2	V0		A						

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Group 10 : Adhesives, Coatings, Varnishes																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1						9.2	9.3
Item No:	Commercial identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r r	S C C	F l a m m	O F F G	O U T G	Justification for approval	Prime App.	ESA App.
10.1	Araldite AV 138 M HV 998	Epoxy glue, 2-part adhesive paste	CIBA	AV : HV = 2.5 : 1	Tube to hinge	I	V	2	V0						ESA PSS- 01-701		
10.2	Adhesive Tape (Transfer Tape) Acrylic		3M Magic Tape		Switch	I	V	2	V0								
10.3	Black Polyurethane Paint PU 1	Binder:Polyurethane; Pigment: Black Carbon; Solvent:Aromatic s & Aliphatics	MAP, Pamiers (F)		Support Structure	I	V	2	V0						CNES Report: CT/DRT/ TVE/TH/ 411		

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Group 15 : Reinforced plastics																		
1	2	3	4	5	6	7			8	9					10			
						R	A	T		9.1						9.2	9.3	
Item No:	Commercial identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r	S C r	F C m	O a m	O F G	U F T G	Justification for approval	Prime App.	ESA App.
15.1	CFK tube	Carbon Fiber	Schuetze, Dorsten (D)		Tubing (masts)	I	V	2	V2									

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Group 20 : Miscellaneous nonmetallic materials																	
1	2	3	4	5	6	7			8	9					10		
						R	A	T		9.1						9.2	9.3
Item No:	Commercial identification	Chemical nature and type of product	Procurement information Manufacturer/ Supplier Specification issue/rev	Summary of processing parameters	Use and location				Size code	C o r r	S C C	F l a m m	O F T G	O U T G	Justification for approval	Prime App.	ESA App.
20.1	Vespel SP1	Polyimide	DuPont; SP-1		Insulation parts	I L	V /	2 4	V2								
20.2	Glasreinforced Epoxy	Epoxy	Freundorfer, Muenchen (D); FR 4, 1,5 mm		Support Structure 1, 3	I L	V /	2 4	V1								
20.3	Rope	High Performance Polyethylene	DSM High Performance Fibers BV, Heerlen (NL); Dyneema Ø 0,6 mm		Dipol Release	I S	V /	2 4	V1								
20.4	Glasreinforced Polyimide	Polyimide	Isola, Dueren (D), Duraver-PD-Cu, 1,5 mm		Support Structure 2, 4	I L		2 /	V1						MIL-P-13949		