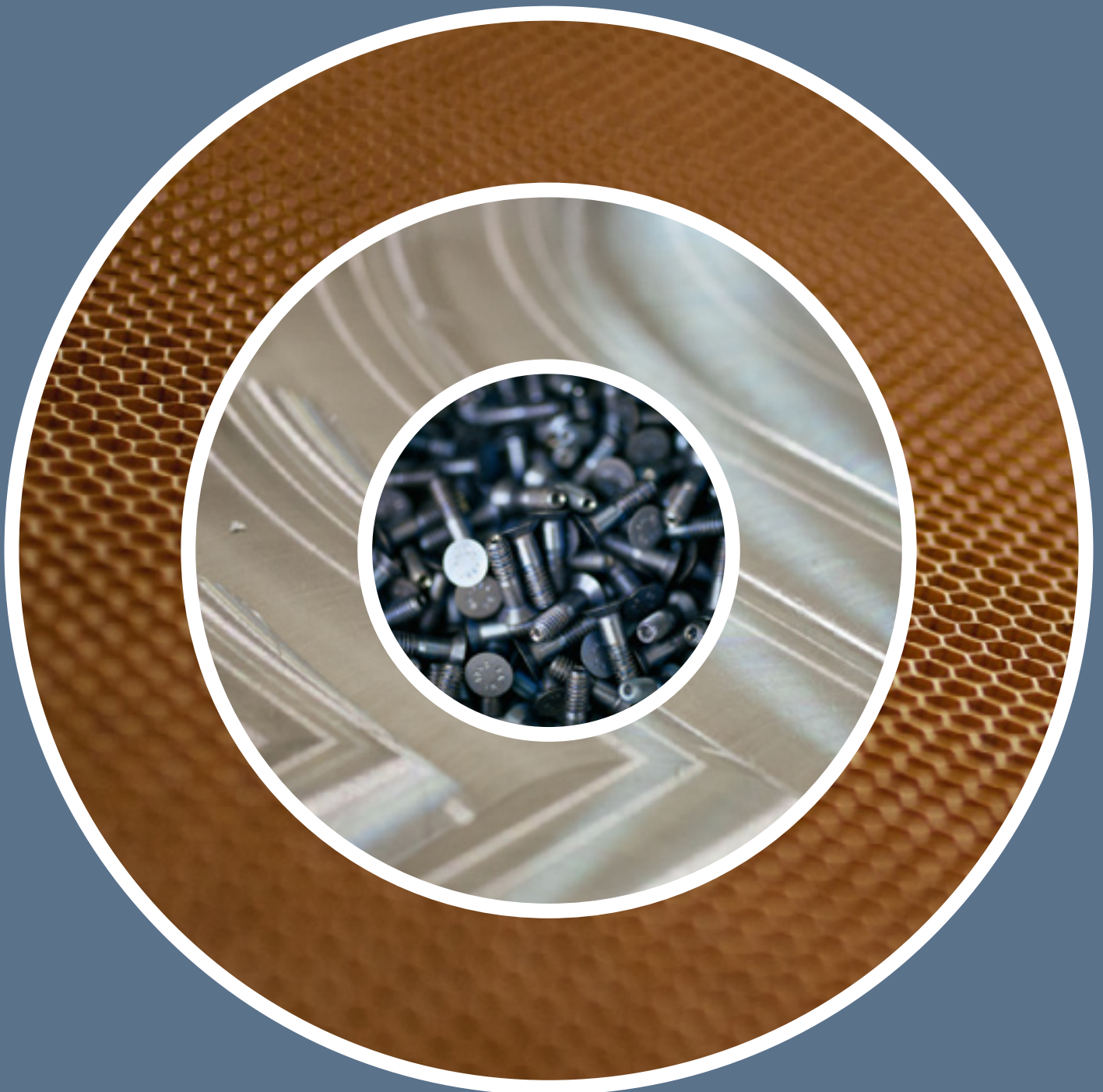

CERTIFICATED PROCESSES

LAST UPDATE - 2018



index

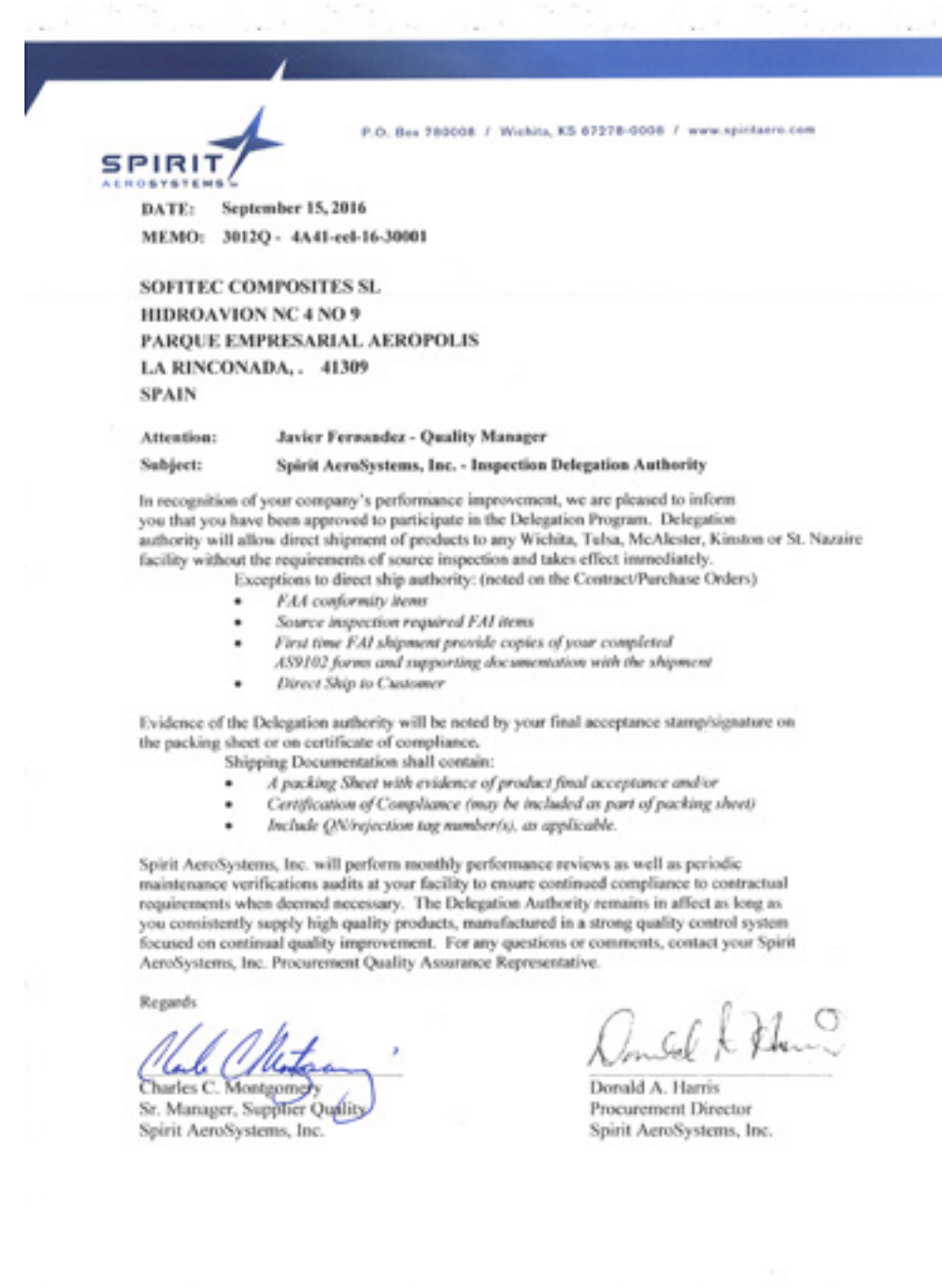
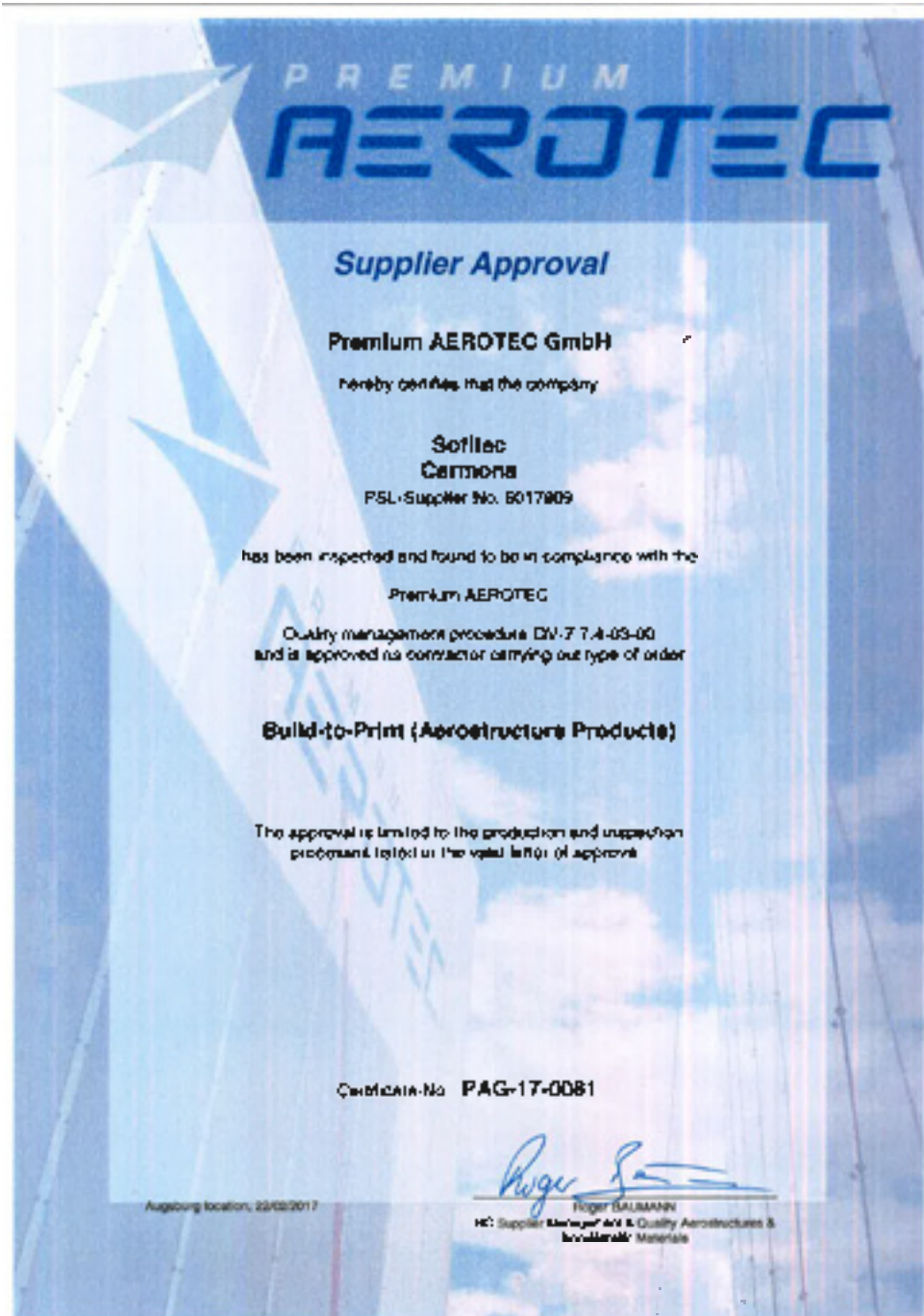
CERTIFICATED PROCESSES



pag	04.	NADCAP
pag	12.	AIRBUS GROUP
pag	18.	EMBRAER
pag	24.	BOMBARDIER
pag	26.	CONTACT US









European Quality Assurance Spain

Entidad de certificación acreditada bajo el control del esquema del sector aeronáutico por ENAC con acreditación número 13/C - 56084. Adhucendo descriptores de auditoría de acuerdo con los requisitos del documento EN 1404-01:2013 de Certificación de los Sistemas de Calidad de los suministradores Aeronáuticos, certifica que el Sistema de Gestión de la Calidad adoptado por la organización

Certification body accredited under the Aerospace Scheme by ENAC with accreditation number 13/C - 56084. That has conducted the audit following EN 1404-01:2013 requirements, hereby certifies that the Aerospace Quality Management System developed by

SOFITEC AERO, S.L.
 Central Office/Controlling Address:
 Parque Industrial-Logístico de Carmona, Parcela L-8 Nave 1
 41410 Carmona (Sevilla)
 Estructura de certificación, Certification structure
 SEVERAL

Es conforme a las exigencias de la Norma. Meets the requirements of the Standard

EN 9100:2009

El Sistema de Gestión de Calidad Aeroespacial se aplica a los ámbitos siguientes
 The Aerospace Quality Management System has been applied to the following scopes

Montaje de conjuntos y subconjuntos. Equipado de elementales. Tratamientos térmicos de aleaciones de aluminio. Fabricación de estructuras con materiales compuestos en fibra de carbono y composites. Encolado metálico estructural. ENCs asociados (inspección por ultrasonidos y ensayos de estanqueidad). Recorte de composites. Pintura de piezas metálicas y composites. (laminados y sandwich) para la industria aeronáutica. Grapado de cables de mando. Mantenimiento mecánico, revisiones periódicas, verificación, reparación y traslado de útiles aeronáuticos.

Assembling of sets and subassemblies. Standard pieces equipment. Thermal treating of aluminum alloys. Manufacturing of structures with composite materials in carbon fiber and composites. Structural metal bonding. Associated NDT's (ultrasonic inspection and leakage testing). Milling of composite pieces. Painting of metal and composite pieces (laminated and sandwich) for the aeronautical industry. Staping of control cables. Mechanical maintenance, periodic reviews, checking, repair and transfer of aeronautical tools

CERTIFICADO DE CONFORMIDAD

Este certificado tiene validez mientras se encuentre en vigor el certificado ISO 9001, con número 8246-E
 This certificate is valid while the certificate ISO 9001, number 8246-E, is in force
 This certificate has been previously issued by other certification body on 19/05/2008
 This certificate has been first issued by EQA on 21/01/2009

Número (number) **8246-E**

Fecha de emisión (Certificate Issue Date) **10/09/2015**

Fecha de modificación (Certificate Reissue Date) **21/07/2017**

Fecha de expiración (Certification Expiry Date) **09/09/2018**

Firmado 
 Director

European Quality Assurance Spain, S.L. (EQA España) - Camino de la Zarzuela, 15-Bloque 2, 1ª Planta 28023 Madrid
 Este certificado tiene validez mientras la Organización se mantenga aprobada por TEDAE y se encuentre en la base de OASIS
 This certificate is valid while the Organization is approved by TEDAE and it is included in the OASIS data base.






European Quality Assurance Spain

Anexo al Certificado/ Appendix Nº 8246-E (EN 9100:2009)

SOFITEC AERO, S.L.

Sites/ Dirección
 Central Office/Controlling Address:
 Parque Industrial-Logístico de Carmona
 Parcela L-8 Nave 1
 41410 Carmona (Sevilla)

Actividad/ Actividad
 Montaje de conjuntos y subconjuntos. Equipado de elementales. Tratamientos térmicos de aleaciones de aluminio. Fabricación de estructuras con materiales compuestos en fibra de carbono y composites. Encolado metálico estructural. ENCs asociados (inspección por ultrasonidos y ensayos de estanqueidad). Recorte de composites. Pintura de piezas metálicas y composites. (laminados y sandwich) para la industria aeronáutica. Grapado de cables de mando. Mantenimiento mecánico, revisiones periódicas, verificación, reparación y traslado de útiles aeronáuticos.

Assembling of sets and subassemblies. Standard pieces equipment. Thermal treating of aluminum alloys. Manufacturing of structures with composite materials in carbon fiber and composites. Structural metal bonding. Associated NDT's (ultrasonic inspection and leakage testing). Milling of composite pieces. Painting of metal and composite pieces (laminated and sandwich) for the aeronautical industry. Staping of control cables. Mechanical maintenance, periodic reviews, checking, repair and transfer of aeronautical tools

Site 2:
 C/ Juan Olivet, nº 38
 Parque Empresarial Aeronáutico Aeropols
 41309 La Rinconada (Sevilla)

Fabricación de utillaje, mecanizado y fabricación de piezas elementales metálicas. ENCs asociados (inspección por líquidos penetrantes). Tratamientos superficiales y pintura para la industria aeronáutica. Dureza y conductividad.

Manufacturing of tools, mechanizing and manufacturing of metallic standard pieces. Associated NDT's (liquid penetrant inspection). Surface treating and painting for the aeronautical industry. Hardness and conductivity

CERTIFICADO DE CONFORMIDAD

Firmado 
 Director

European Quality Assurance Spain, S.L. (EQA España) - Camino de la Zarzuela, 15-Bloque 2, 1ª Planta 28023 Madrid
 Este certificado tiene validez mientras la Organización se mantenga aprobada por TEDAE y se encuentre en la base de OASIS
 This certificate is valid while the Organization is approved by TEDAE and it is included in the OASIS data base.





AIRBUS GROUP

certificated processes in METALLIC

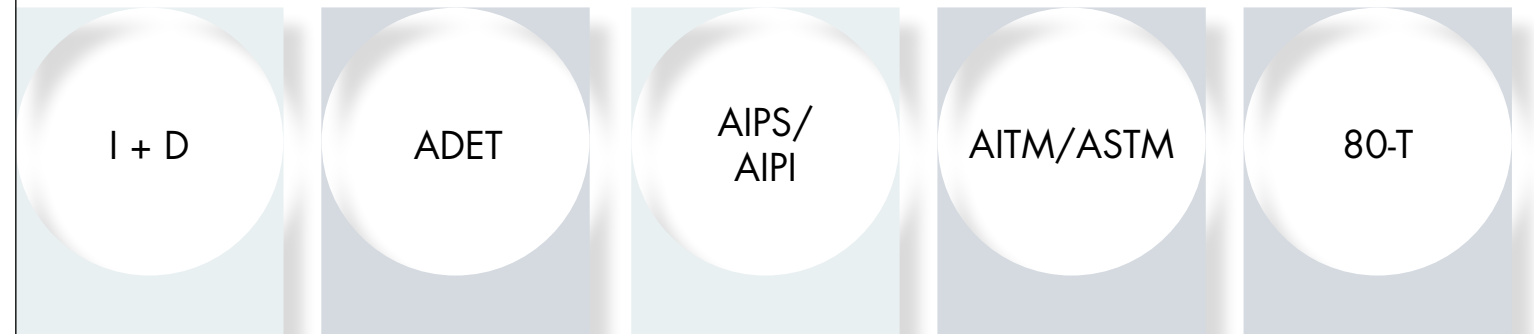
pag 12

	I + D	ADET	AIPS/ AIPI	AITM/ASTM	80-T
Heat Treatment of Aluminium Alloys Parts	I+D-P-220		04-01-001 01-00-000		80-T-36-1010
Tartaric Sulphuric Anodizing	I+D-P-416		02-01-003		80-T-35-2010
Anodic Thickness Inspection	I+D-P-416			AITM6-9004	
Passivation of Corrosion Resistant Steel	I+D-P-038		02-05-005		
Chemical Conversion Coatings on Aluminium & Its Alloys	I+D-P-202		02-05-001		80-T-35-1101
Chromic Acid Anodizing of Aluminium Alloys	I+D-P-213		02-01-001		
Penetrant Testing	I+D-E-137			AITM6-1001	
Cleaning	I+D-P-147 I+D-P-109 I+D-P-072		09-01-002 09-01-003		
Hardness Inspection	ASTM-E18			ASTM-E18	
Conductivity Inspection	I+D-E-140			AITM6-6004	
Coating Thickness Inspection	I+D-E-379	ADET 0071		AITM6-6006	
Marking	CASA-1083		08-03-003		
Paint for detail parts in metallic materials					80-T-35-5000 80-T-35-5030 80-T-35-5130
Machining of Metallic Component					80-T-30-4010
Abrasive Cutting of Metallic and Non-metallic Materials with a High-pressure Water Torch					80-T-33-3362
Application of Elastic Protective Coating					80-T-35-5218

AIRBUS GROUP

certificated processes in COMPOSITE

pag 14



Visual Inspection

AITM6-3004

Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins
Manufacture of Composite Structures with Glass Fiber

I+D-P-052
I+D-P-237
I+D-P-233

03-02-018

Manufacture of Monolithic Parts with Thermoset Prepreg Materials

I+D-P-052
I+D-P-237
I+D-P-233

03-02-019

Machining of Fibre Reinforced Plastic (FRP) Components

I+D-P-387

03-07-002

Manufacturing of Metallic Sandwich Parts - Bonding Process

06-02-005

Thickness measurement of fiber composites by ultrasonic pulso-echo technique

AITM6-4014

Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics

I+D-E-280

AITM6-4005

Inspection of Fibre Composites by Ultrasonic Phased Array Technique

AITM6-4010

Ultrasonic Pulse-Echo Inspection of Areas Around Fastener & Rivet Holes in Composites

AITM6-4022

Tap Test

I+D-E-294

AITM6-5003

Leak Testing in Sandwich Structures

I+D-E-336

AITM6-9003

Ultrasonic Through Transmission Inspection of Fibre Plastics

I+D-E-282

AITM6-4002

Coating Thickness Inspection

I+D-E-379

AITM6-6006

Marking

CASA-1083

08-03-003

Visual Inspection of Glass Fibre Composite By Transmitted Light

AITM6-3005

Application of external paint systems

05-02-003

Repair Schemes to achieve surface status requirements on composite components

05-04-002

Drilling, boring, countersink for carbon composites or carbon composites/metallic stackings

ADET0177

Structural Bonding of Thermoset and Thermoplastic Matrices Composite Parts

I+D-P-330

06-02-006

Surface Preparation for Thermosetting parts before structural bonding

06-01-003

Anti-erosion exterior painting of composite parts

ADET0121

Paint for detail parts in composites materials

ADET0092

80-T-35-9030

Harmonization of surface conditions on painted composite components cabin interior not considered

ADET0053

Non-structural adhesive bonding

06-02-002

Electrical bonding connections resistance measurement

AITM6-9008

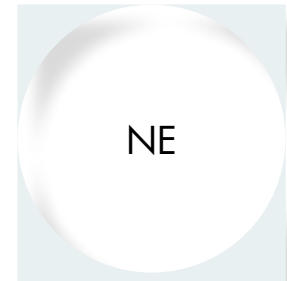
AIRBUS GROUP

certificated processes in ASSEMBLY

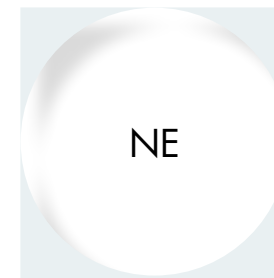
pag 16



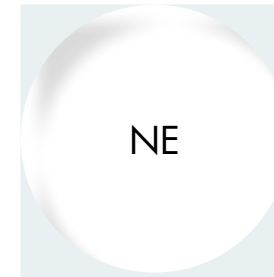
	I + D	ADET	AIPS/AIPI	AITM/ASTM	80-T
Assembly	I+D-P-364 I+D-P-322 I+D-P-117 I+D-L-113 I+D-P-366		01-02-017		
General Assembly & Installation of Fasteners			01-02-017		
Assembly Applying a Filler Resin		ADET 0095			
Preparation of Holes in Metallic Materials for Fastening		ADET 007	01-02-003		
Preparation of Holes in Fiber Reinforced Plastic (FRP) and Hybrid Materials			01-02-005		
Bonding Metal/Metal Parts Structural Bonding Process			06-02-007		
Installation of Inserts in Non-Metallics			01-03-003		
Installation of Solid Rivets			01-01-004		
Installation of Blind Bolts & Blind Rivets "pull type"			01-02-013		
Installation of Blind Bolts "threaded type"			01-02-015		
Installation of Parallel Shank Threaded Fasteners			01-02-022		
Electrical Bonding	I+D-P-355		07-01-006		
Torque tightening of screws, bolts and nuts			01-02-008		
Bolt Torque Tightening			01-02-008		
Surface Protection of Fasteners & Sealants by Application of Varnish	I+D-P-355		05-05-003		
Surface Protection of Fastener	I+D-P-355		05-05-003		
Wet Installation of Fasteners			05-05-004		
Preservation of Cut Edges of Carbon Fibre Composite Parts to Prevent Galvanic Corrosion on Attached Metal Parts			05-05-009		
Rework of Structures Manufactured from Composite Materials (Laminates & Sandwich)	I+D-P-412		03-08-003		
Sealants Application	I+D-P-146 I+D-P-393 I+D-P-062	ADET 0082	05-05-001		80-T-34-5803 80-T-34-9600
Structural Paints	I+D-P-060 I+D-P-064 I+D-P-358	ADET 0071	05-02-009		80-T-35-5002 80-T-35-5106 80-T-35-5025 80-T-35-9120
Installation of Bushes and Bearings					80-T-34-3200 80-T-34-3700
Assembly with duroplastic anti-corrosive compound, zink chromated based and with duroplastic anti-corrosive compound chromated-free					80-T-35-5903 80-T-35-5904



Aluminum parts - Forming & Straightening	03-076
Aluminum & Its Alloys - Artificial Aging	40-003
Steel Parts - Forming & Straightening	40-213
Heat Treatment of Aluminium Alloys Parts	40-002
Equipment for Thermal Processing - Temperature Control & Classification	40-077
Passivation of Corrosion Resistant Steel	40-081
Corrosion Resistant Finish for Integral	40-135
Chemical Conversion Coatings on Aluminium & Its Alloys	40-006
Chromic Acid Anodizing of Aluminium Alloys	40-030
High Solids Polyurethane & Metallic (MICA) Enamel (MEP 10-069) - Application Requirements	40-160
Nonchromated Epoxy Primer (MEP 10-070) - Application Requirements	40-163
Penetrant Testing	07-001
Cleaning	40-012
Aluminum and its Alloys -Anodic Coatings in Chrome Free Solution	40-308



Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins Manufacture of Composite Structures with Glass Fiber	40-188
Composite Materials - Requirements of Parts	20-032
Laminate with Honeycomb. Direct Curing at 177°C (350°F) - Autoclave Process Requirements & Manufacturing Procedures	40-188
Solid Laminate Preimpregnated with Epoxy Resin. Curing at 177°C (350°F) Autoclave Process - Requirements & Manufacturing Procedures	40-185
Glass Fiber, Carbon, Kevlar & Hybrid Laminates Drilling, Countersinking, Cutting & Riveting – Requirements & Procedures	40-273
Manufacture of Monolithic Parts with Thermoset Prepreg Materials	40-185
Machining of Fibre Reinforced Plastic (FRP) Components	40-273
Ultrasonic Inspection of Carbon Fibre Composites	07-011
Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics	07-011
Inspection of Fibre Composites by Ultrasonic Phased Array Technique	07-011
Ultrasonic Pulse-Echo Inspection of Areas Around Fastener & Rivet Holes in Composites	07-011
Ultrasonic Pulse-Echo Inspection of Glass Fibre Reinforced Plastics	07-011
Tap Test	07-011
Leak Testing in Sandwich Structures	07-011
Ultrasonic Through Transmission Inspection of Fibre Plastics	07-011
Repairs in Composite Materials	20-038
Nondestructive Inspection of Composite & Bonding Parts	07-011
Visual Inspection	07-009
First Part Qualification (FPQ) - Procedures & Requirements	40-251



Structural Bonding Requirements

20-010

Sandwich Panels - Insert Installation, Filling of Voids & Protection of Exposed Core (Edges Protection)

06-042

General Bonding

40-218

Sealants Application

40-134

Structural Paints

40-143
40-274

BOMBARDIER

certificated processes in METALLIC

pag 24



BAPS

Machining

188-001



CONTACT US IN
www.sofitec.es

