aerotecnic

CERTIFIED SPECIAL PROCESSES_AEROTECNIC GENERAL LIST

02/2026

CLIENT	ACTIVITY	PROCESS	STANDARD												COMMENTS
			ISO	I+D	CAN	80-T	AIPS	ABP	AITM	BAC	ISO	CASA	BAPS	NE	
AIRBUS	ASSEMBLY	Installation of solid rivets					AIPS01-01-004								
		Preparation of holes in metallic materials for fastening					AIPS01-02-003								
		Preparation of Holes in Fibre Reinforced Plastic (FRP) and Mixed (FRP/Metal) Assemblies for Fastening					AIPS01-02-005								
		Bolt torque tightening					AIPS01-02-008								
		Installation of blind bolts pull type					AIPS01-02-013								
		General assembly and installation of fasteners		I+D-P-231			AIPS01-02-017								
		Installation of bushes, shrink and press fit					AIPS01-02-019								
		Installation of parallel shank threaded fasteners					AIPS01-02-022								
		Installation of helical threaded inserts					AIPS01-03-004								
		Installation of bearings, spherical bearings and bushes by swaging					AIPS03-03-012								
		Bonding of bearings and bushes by anaerobic compound					AIPS03-03-014								
		Surface protection of fasteners and sealants by application of paint					AIPS05-05-003								
		Wet installation of fasteners					AIPS05-05-004								Manual mix or semkit
		Application of non hardening lointing compounds					AIPS05-05-006								
		Mechanical surface preparation of non-structural adherend prior to adhesive bonding					AIPS06-01-004								
		Priming of polyamide adherend prior to adhesive bonding					AIPS06-01-006								
		Non-structural adhesive bonding					AIPS06-02-002								
		Adhesive tape bonding					AIPS06-02-009								
		Electrical bonding					AIPS07-01-006								Laser technology (SP6) not allowed
		Mechanical surface preparation of non-structural adherend prior to adhesive bonding		I+D-P-067											
		Non-structural bonding		I+D-P-071											
	COATING	Chemical Conversion Coating (locally applied process)					AIPS02-05-001								Only local application process
		Application of Structural Paint					AIPS05-02-009								
		Application of External Paint Systems					AIPS05-02-003								
		Rework of paints on metallic and non-metallic structural parts					AIPS05-02-011								Only touch ups allowed in accordance with methods 1-1, 1-2, 4-1, 4-3, 6-1, 6-2, 6-3, 8-1, 8-2
	MACHINING	Machining of Fibre Reinforced Plastic (FRP) components		I+D-P-387			AIPS03-07-002	ABP6-2183							
		Preparation of Holes in plastic and mixed assemblies for fastening		I+D-P-231			AIPS01-02-005								
	SEALING	Sealing of aircraft structures		I+D-P-146			AIPS05-05-001								Manual mix or semkit
		Preservation of cut edges of carbon fibre parts to prevent galvanic corrosion on metal parts					AIPS05-05-009								
	TESTING	Wettability test							AITM 1-0022						
		Determination of the completeness of cure of organic coatings							AITM 1-0024						
		Sealants: Determination of the curing rate of sealing materials							AITM 1-0033						
		Surface roughness measurements using surface stylus methods							AITM 1-0070						
		Tap Test							AITM6-5003						
		Leak Test for Sandwich Structures							AITM6-9003						
		Electrical bonding connections resistance measurement - Method M2							AITM6-9008						method M2
		Leak Test for Sandwich Structures		I+D-E-336											
		Paints and varnishes - Cross-cut test									ISO 2409				
		Paints and varnishes; determination of flow time by use of flow cups									ISO 2431				
		Paints and varnishes - Determination of film thickness									ISO 2808				
		Geometrical product specifications (GPS) - Surface texture : Profile method									ISO 4288				
		Rubber, vulcanized or thermoplastic - Determination of indentation hardness - Part 1: Durometer method (Shore hardness)									ISO 7619-1				
		Paints and varnishes - Determination of resistance to liquids - Part 2: Water immersion method									ISO2812-2				
	COMPOSITES	Rework and repair of Structures Manufactured from Composite Materials (Laminates and Sandwich)					AIPS03-08-003								Only standard reworks stated in 3.2.10.2
		Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins					AIPS03-02-018								Only Visual inspection and rework tasks
		Manufacture of Monolithic Parts with Thermoset Prepreg Materials					AIPS03-02-019								Hand LayUp
		Manufacturing of Carbon Fibre Composite material structures (Laminate and Sandwich)		I+D-P-233											
		Manufacture of Glass-Fibre Epoxy Prepreg Composites by Autoclave						ABP6-2189							
	ULTRASONIC	Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics							AITM6-4005						
		Inspection of Fiber Composites by Ultrasonic Phased Array Pulse-Echo Techniques							AITM6-4010						
		Thickness measurement of fiber composites by ultrasonic pulse-echo technique							AITM6-4014						
		Ultrasonic Pulse-Echo inspection of areas around fastener and rivet holes in composites							AITM6-4022						
		Ultrasonic Pulse-Echo Inspection of composites parts		I+D-E-280											
AIRBUS DEFENCE AND SPACE	ASSEMBLY	Installation of bushes, shrink and press fit					AIPS01-02-019								
		Installation of bearings, spherical bearings and bushes by swaging					AIPS03-03-012								
		Manual fastening of 2- or 4- start quick release fasteners with or without acres sleeves					AIPS01-03-002								
		Installation of blind bolts pull type					AIPS01-02-013								
		Fijación de cojinetes y rótulas mediante laminado de las rótulas			CAN-64143										
		Fijación de cojinetes y rótulas con manguito laminado			CAN-64144										
		Fijación de cojinetes y rótulas mediante huella de bolas			CAN-64147										
		Fijación de cojinetes y rótulas mediante pegado			CAN-64148										
		Liquid shims		I+D-P-061											
		Non-structural bonding		I+D-P-071											
		Mechanical surface preparation of non-structural adherend prior to adhesive bonding		I+D-P-067											
		Installation of Bearings and Bushes by Heating andor Cooling				80-T-34-3700									
		Installation of Spherical Plain Bearings				80-T-34-5661									
		Application of Sealing Compounds				80-T-34-9600									
		Application of Elastic Protective Coatings				80-T-35-5218									
		Electrical bonding		I+D-P-355		80-T-40-3312									
		Blind rivets low & medium strengh		I+D-P-356											
		Wet Installation of Fasteners				80-T-34-5803									
		Drilling, Reaming and Countersinking of Rivet and Screw Holes				80-T-30-9910									
		Installation of Anchor Nuts				80-T-34-3000									
		Installation of Helical Threaded Inserts				80-T-34-3003									
		Installation of Solid Aluminum Rivets				80-T-34-5814									
		Installation of Close-Tolerance Bolts Hi-Lite, Veri-Lite				80-T-34-5817									
		Chemical Conversion Coating on Aluminum and its alloys (locally applied process by brush)		I+D-P-202											
		Bushes installation in interference asemblies		I+D-P-366											
		Application of Corrosion Inhibiting Solid Film Lubricant		I+D-P-058											
	COATING	Painting - General specification		I+D-P-060											
		Painting of metallic parts and structures		I+D-P-064											
		Painting of composite parts		I+D-P-358											
	COMPOSITES	Manufacturing of Carbon Fibre composite material structures (Laminate and Sandwich)		I+D-P-233											
		Manufacturing of Glass Fibre composite material structures (Laminate and Sandwich)		I+D-P-052											
		Rework and repair of Structures Manufactured from Composite Materials (Laminates and Sandwich)					AIPS03-08-003								
		Repair of Carbon Fibre Composite material structures (Laminate and Sandwich)		I+D-P-412											
	MACHINING	Preparation of Holes in non metallic materials for Fastening		I+D-P-231											
		Machining of Fibre Reinforced Plastic (FRP) components		I+D-P-387											
		Thread Rolling per AS8879 & ISO5855										CASA-1319			
	SEALING	Mix and Sealing of aircraft structures		I+D-P-146											
		Congelación, almacenaje bajo refrigeración y descongelación de sellantes de polisulfuro		I+D-P-393											
	TESTING	Tap Coin for Sandwich Structures		I+D-E-294											
		Leak Test for Sandwich Structures		I+D-E-336											
		Electrical bonding connections resistance measurement - Method M2							AITM6-9008						method M2
	ULTRASONIC	Ultrasonic through transmission inspection of fibre plastics							AITM6-4002						
		Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics							AITM6-4005						
		Non Destructive Inspection of composites		I+D-E-275											
		Ultrasonic Pulse-Echo Inspection of composites parts		I+D-E-280											
		Ultrasonic through transmission inspection of composites		I+D-E-282											
BOEING	QUALITY	Digital Product Definition - DPD Quality Plan								D6-51991					
	SEALING	Sealing, General								BAC 5000					
	ASSEMBLY	Solid rivet Installation								BAC 5004-1					
		Permanent straight shank fastener installation								BAC 5004-2					
		Bolts and nuts installation								BAC 5009					
		Application of adhesives								BAC 5010					
		Smoothing and fairing								BAC 5030					
		Fluid tight fastener installation								BAC 5047					
		Permanent straight shank fastener installation in composite structures								BAC 5063-2					
		Part marking								BAC 5307					
		Fabrication and installation of resin bonded laminated shims and solid fillers								BAC 5430					
		Application of chemical and solvent resistant finishes								BAC 5736					
		Solvent cleaning								BAC 5750					
	MACHINING	Forming, straightening and fitting metal parts								BAC 5300					
		Surface and edge integrity of metal parts								BAC 5300-1					
		Metal part forming, straightening and fitting								BAC 5300-2					
EMBRAER	ASSEMBLY	Assembly of components by mechanical fit												32-003	
		BEARINGS – HOUSING STAKING												31-003	
	SEALING	General Parts - Cleaning												40-012	
		Sealing_General requirements												40-295	
		Sealing - Faying Surfaces and Fastener Assembly												40-297	
	COMPOSITES	LAMINATES - DRILLING, COUNTERSINKING, CUTTING AND RIVETING - REQUIREMENTS AND PROCEDURES												40-273	
Q&E SYSTEMS	QUALITY	International Quality Management System (QMS) standard for the Aviation, Space, and Defense industry		9100											
		International Quality Management System (QMS) standard		9011											
	ENVIRONMENT	International Environmental Management Systems (EMS)		14001											
NADCAP	COATING	CHEMICAL PROCESING (PAINTING)													
	ULTRASONIC	NON DESTRUCTIVE TESTING (ULTRASONIC)													
	COMPOSITES	MANUFACTURING OF COMPOSITE STRUCTURES													
	M & I	MEASUREMENT AND INSPECTION (CMM + LASER TRACKER)													
	ASA	AEROSTRUCTURAL ASSEMBLY													