aerotecnic

CERTIFIED SPECIAL PROCESSES_AEROTECNIC GENERAL LIST

Dec. 2022

CLIENT	ACTIVITY	PROCESS	STANDARD								
			I+D	CAN	80-T	AIPS	AITM	BAC	ISO	CASA	BAPS
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					
		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					
		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					
		Application of Structural Paint				AIPS05-02-009					
		Rework of paints on metallic and non-metallic structural parts				AIPS05-02-011					
	MACHINING	Machining of Fibre Reinforced Plastic (FRP) components	I+D-P-387			AIPS03-07-002					
	SEALING	Sealing of aircraft structures				AIPS05-05-001					
		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				
		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					
		Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins				AIPS03-02-018					
		Manufacture of Monolithic Parts with Thermoset Prepreg Materials				AIPS03-02-019					
		Manufacturing of Carbon Fibre Composite material structures (Laminate and Sandwich)	I+D-P-233								
	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								
		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			80-T-40-3312						
		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 structural components from thermosetting prepreg materials (Laminates and Sandwich)	I+D-P-233								
			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								
	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			
BOMBARDIER	ASSEMBLY (planned Q1_23)	Installation of conventional rivets									BAPS 151-001
		Presure and environmental sealing									BAPS 157-028
		Aplication of high temperature (fire wall) sealant									BAPS 157-030
		Identification of aircrafts parts and assemblies									BAPS 144-005
		Retention of bearings by press swaging									BAPS 175-004
		Installation of interference fit bushings									BAPS 175-005
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									