

December 24, 2021

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ELEMENT MATERIALS TECHNOLOGY CANADA
104 NORDIC AVE.
POINTE-CLAIRE, QC
H9R 3Y2, CANADA

SAP Supplier no: **107448**
SAP Notification no: 1000069618

Attention: Kamran Balouchestani, Quality Manager
Subject: **Approval Maintained**

Mr. Balouchestani,

Bombardier Quality is pleased to inform you that after a detailed reassessment according to Quality Requirements for Suppliers, the "Approval Status" of **ELEMENT MATERIALS TECHNOLOGY CANADA** at the above noted address, is maintained and holds the following Bombardier approval(s):

Class A / Controlled processes in Table 1 & Capability list in Table 2

Changes List

- Approval to BAERD GEN-018 Field 1A revoked
- RFD 17144 inactive
- Approval to BARTS 4710 & 4711 revoked

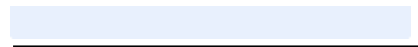
This approval will be maintained on the condition that your company continues to comply with QD 4.6-40, Quality Requirements for Suppliers, and maintains acceptable product delivery performance.

Bombardier Quality may elect to audit your facility at any time during or prior to any contract, in order to:

- Assure continuing compliance with contractual and quality requirements.
- Investigate any quality problems and ensure that effective corrective action measures are implemented.

Your approval status will be periodically reviewed. Based on supplier performance, the approval status of your facility may be revised. It is Bombardier's policy to purchase only from approved suppliers who meet our standards of quality and reliability. We look forward to building a mutually beneficial and lasting relationship, driven by a desire for continuous quality improvement.

Sincerely yours,



Nicolas Belley
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Supplier Quality Assurance
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F3.8.7.10-3 (03/2017)

Table 1 : Controlled Processes

Controlled Spec	Description	Limitation
BAERD-GEN-018-2A	STATIC TESTING - METALS - COMPOSITES - ADHESIVES - RESINS - SEALANTS - PLASTICS - RUBBERS - ETC.	
BAERD-GEN-018-2B	METALS - DYNAMIC AND CYCLIC TESTING	
BAERD-GEN-018-3A	METALLOGRAPHIC EXAMINATION OF FERROUS ALLOYS AND METALLIC COATINGS	
BAERD-GEN-018-3B	METALLOGRAPHIC EXAMINATION OF ALUMINUM ALLOYS	
BAERD-GEN-018-3C	METALLOGRAPHIC EVALUATION OF TITANIUM ALLOYS	
BAERD-GEN-018-3D	HARDNESS AND MICRO HARDNESS	
BAERD-GEN-018-3E	WELDING EVALUATION	
BAERD-GEN-018-4A	TESTING OF PHYSICAL PROPERTIES (SPECIFIC DENSITY - WEIGHT - MOISTURE CONTENT - TGA - ETC.)	
BAERD-GEN-018-5A	CORROSION TESTING	
BAERD-GEN-018-5E	EVALUATION OF PAINTS	
BAPS 168-013	HARDNESS AND ELECTRICAL CONDUCTIVITY TESTING OF METALS	Hardness testing

Table 2 : Capability List

Test Description	Test Method	Test Field	Key/Technical Person
DETERMINATION OF DUCTILITY OF METALLIC MATERIALS BY BENDING TEST	BATS 2312	2A	Yves Landry
DETERMINING VOLUME FRACTION BY MANUAL POINT COUNTING	BATS 2506	3A, 3B, 3C	Amina Hadini
INTERGRANULAR OXIDATION OF STEELS, DEPTH EVALUATION OF	BATS 2425	3A	Amina Hadini
GRAIN SIZE DETERMINATION (ALUMINUM ALLOYS)	BATS 2501	3B	Amina Hadini
SURFACE CONTAMINATION OF TITANIUM ALLOYS, METALLURGICAL EXAMINATION	BATS 2561	3C	Amina Hadini
METHOD FOR ROCKWELL AND ROCKWELL SUPERFICIAL HARDNESS TESTING OF METALLIC MATERIALS	BATS 2381	3D	Amina Hadini
MICROHARDNESS TEST METHOD FOR MEASURING THE DEPTH OF DECARBURIZATION OF HEAT TREATED STEEL SPECIMENS	BATS 2383	3D	Amina Hadini
MICROHARDNESS TESTING OF ELECTROPLATED DEPOSITS	BATS 2460	3D	Amina Hadini
GROOVE WELD, EXAMINATION FOR WELDER QUALIFICATION	BATS 2751	3E	Amina Hadini
FILLET WELD, EXAMINATION FOR WELDER QUALIFICATION	BATS 2752	3E	Amina Hadini
SEAM WELDING, METALLURGICAL EXAMINATION	BATS 2755	3E	Amina Hadini
SPOT WELDING, METALLURGICAL EXAMINATION	BATS 2756	3E	Amina Hadini
EVALUATION OF INTERGRANULAR ATTACK AND END GRAIN PITTING	BATS 2545	3A, 3B, 3C	Amina Hadini
TENSION TESTING OF METALLIC MATERIALS	BATS 3000	2A	Yves Landry
PAINT ADHESION, TAPE TEST	BATS 4860	5E	Amina Hadini
IMPACT RESISTANCE OF ORGANIC COATINGS	BATS 4866	5E	Amina Hadini
CORROSION RESISTANCE BY SALT SPRAY (FOG) TESTING	BATS 5570	5A	Roger Bedard
VISUAL EXAMINATION	BATS 2333	N/A	Amina Hadini
SIERRACIN/HARRISON SLEEVES AND UNIONS, EXAMINATION OF	BATS 2710	3A, 3B, 3C	Amina Hadini
CASE DEPTH EVALUATION BY MICROHARDNESS TESTING	BATS 2440	3D	Amina Hadini
THICKNESS MEASUREMENT BY MICROSCOPICAL EXAMINATION OF A CROSS SECTION	BATS 2463	3A, 3B, 3C	Amina Hadini
HYDROGEN POROSITY (HTO) OF HEAT-TREATED ALUMINUM ALLOYS, EVALUATION BY MICROEXAMINATION	BATS 2520	3B	Amina Hadini
MICROSCOPIC EVALUATION OF EUTECTIC MELTING (EM) IN HEAT-TREATED ALUMINUM ALLOYS	BATS 2521	3B	Amina Hadini
DIFFUSION OF CORE (CD) IN CLAD ALUMINUM ALLOYS, EVALUATION BY MICROEXAMINATION	BATS 2522	3B	Amina Hadini
SUSCEPTIBILITY TO INTERGRANULAR CORROSION (STIC TEST) OF ALUMINUM ALLOYS, EVALUATION BY MICROEXAMINATION	BATS 2525	3B	Amina Hadini
KNIFE CUT DEFECT EVALUATION	BATS 2543	3A, 3B, 3C	Amina Hadini
MICROSCOPIC EVALUATION OF THE ANODIC COATING THICKNESS	BATS 2550	3B	Amina Hadini
Plating Adhesion by Bending	BATS 2551	2A	Amina Hadini
CALCULATION OF YIELD STRENGTH	BATS 3001	2A	Yves Landry
CALCULATION OF YIELD STRENGTH	BATS 3002	2A	Yves Landry
CALCULATION OF PERCENT REDUCTION OF AREA,	BATS 3003	2A	Yves Landry
SURFACE ROUGHNESS, METHOD FOR MEASURING	BATS 3211	4A	Amina Hadini
Preparation of Metallographic Specimens	BATS 6100	3A, 3B, 3C	Amina Hadini
BEND TESTING OF WELDS	BATS 2753	2A	Yves Landry
NOTCH STRESS TENSILE RUPTURE TEST	BATS 3041	2A	Yves Landry
EVALUATION OF DEUTSCH PERMASWAGE FITTINGS	BATS 2711	3A, 3B, 3C	Amina Hadini
EXAMINATION OF SWAGED WIGGINS TYPE COUPLINGS	BATS 2712	3A, 3B, 3C	Amina Hadini
MICROHARDNESS, TESTING OF METALLIC MATERIALS, GENERAL PROCEDURES	BATS 2385	3D	Amina Hadini
COATING THICKNESS DETERMINATION BY NONDESTRUCTIVE PROCEDURE	BATS 4002	5E	Amina Hadini
CHARPY IMPACT TESTING OF METALLIC MATERIALS	BATS 3080	2B	Yves Landry
Structural Welding Code - Steel	AWS D1.1M	3E	Amina Hadini
Structural Welding Code - Aluminum	AWS D1.2M	3E	Amina Hadini
Specifications for Fusion Welding for Aerospace Applications	AWS D17.1M	3E	Amina Hadini
Section IX: Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing Operators	BPVC Sec.IX	3E	Amina Hadini
Standard Specification for Gray Iron Castings	A48M	2A	Yves Landry
Standard Test Methode for Evaluating the Microstructure of graphite in Iron Castings	A247	3A	Amina Hadini
Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels	A262	3A	Amina Hadini
Standard Test Methods and Definitions for Mechanical Testings of Steel Products	A370	2A	Yves Landry
Standard Practice for Operating Salt Spray (Fog) Apparatus	B117	5A	Roger Bedard
Standard Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Nonconductive Coatings on Nonmagnetic Basis Metals with Eddy-Current Instruments	B244	5E	Amina Hadini
Standard Test Method for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of Cross Section	B487	3B	Amina Hadini
Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products	B557	2A	Yves Landry
Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)	B557M	2A	Yves Landry
Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings	D522M	2A	Yves Landry
Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces	D610	5A	Amina Hadini
Standard Test Method for Evaluating Degree of Blistering of Paints	D714	5E	Amina Hadini
Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments	D1654	5E	Amina Hadini
Standard test method for resistance of oranic coatings to the effects of rapid deformation (Impact)	D2794	5E	Yves Landry
Standard Test Methods for Measuring Adhesion by Tape Test	D3359	5E	Amina Hadini
Standard Test Method for Film Hardness by Pencil Test	D3363	5E	Amina Hadini
Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals	D7091	5E	Amina Hadini
Standard Guide for Preparation of Metallographic Specimens	E3	3A, 3B, 3C	Amina Hadini, Roger Bedard
Standard test Method for Tension Testing of Metallic Materials	E8, E8M	2A	Yves Landry
Standard Test Methods for Brinell Hardness of Metallic Materials	E10	3D	Yves Landry, Amina Hadini
Standard Test Method for Rockwell Hardness of Metallic Materials	E18	3D	Yves Landry, Amina Hadini
Standard test Methods for Notched Bar Impact Testing of Metallic Materials	E23	2B	Yves Landry
Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials	E92	3D	Amina Hadini
Standard test Methods for Dtermining Average Grain Size	E112	3A, 3B, 3C	Amina Hadini
Standard Test Method for Guided Bend Test for Ductility of Welds	E190	3E	Yves Landry
Standard test Methods for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels	E208	2B	Yves Landry
Standard Test Methods for Bend Testing of Material for Ductility	E290	2A	Yves Landry
Standard test Method for Macroetching Metals and Alloys	E340	3A, 3B, 3C	Amina Hadini
Standard Method of Macroetch Testing Steel Bars, Billets, Blooms, and Forgings	E381	3A, 3B, 3C	Amina Hadini
Standard Test Method for Knoop and Vickers Hardness of Materials	E384	3D	Amina Hadini
Standard Practice for Microetching Metals and Alloys	E407	3A, 3B, 3C	Amina Hadini
Standard Test Method for Determining Volume Fraction by Systematic Manual Point Count	E562	3A, 3B, 3C	Amina Hadini
Standard Test Methods for Estimating the Depth of Decarburization of Steel Specimens	E1077	3D	Amina Hadini
Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating / Coating Processes and Service	F519	2A	Yves Landry
Standard Test Method for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	F606		
	F606M	2A	Yves Landry
Standard Practice for Measuring Intergranular Attack or End Grain Pitting on Metals Caused by Aircraft Chemical Processes	F2111	3A, 3B, 3C	Amina Hadini
Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution	G48	3A	Amina Hadini
Standard Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution	G110	3B	Amina Hadini
Certification of Companies for Fusion Welding of Steel	W47.1	3E	Amina Hadini
Certification of Companies for Fusion Welding of Aluminum	W47.2	3E	Amina Hadini
Methods of Measuring Case Depth	SAE J423	3D	Amina Hadini
Mechanical and Material Requirements for Externally Threaded Fasteners	SAE J429	2A	Yves Landry