

Memorandum

To:
All A220 Program Suppliers

From:
Mario Langlois,
Head of Quality Airbus Canada
Quebec, Canada J7N 3C6

Copy:
Philippe Balducchi CEO Airbus Canada
Airbus Canada Leadership Team
Pierre PERDOUX, Head of Procurement Operations Airbus
Sven KAESSE, Head of Procurement ACLP
Jörg WERNER, VP Quality Procurement Airbus

September 30th, 2019

Subject: A220 Suppliers Quality Requirements (ASQR4.6)
Our reference #DCR2019-077

Attention: Quality Manager

Dear Mr / Mrs,

On July 1st, 2018, Bombardier, Investissement Quebec and Airbus concluded a strategic partnership for the CSeries Aircraft Program, under which Airbus acquired a majority stake in the Airbus Canada Limited Partnership (Airbus Canada). This partnership combines the benefits of Airbus global marketing reach and supply chain expertise with the cutting-edge aircraft program. The Cseries Aircraft program has since been renamed the Airbus A220 Aircraft program.

Airbus Canada has just released the initial revision of its own **Quality Requirements for Suppliers** document known as **ASQR4.6**. This document outlines mandatory quality requirements for our supply chain and it is a result of a simplified QD4.6-40–Quality Requirements for Suppliers (issued by Bombardier), specific to the A220 Program. The **ASQR4.6 – A220 Suppliers Quality Requirements** is available on the Airbus website at www.Airbus.com (Suppliers ->Supplier quality requirements).

ASQR4.6 Initial Revision fully replaces and supersedes, with immediate effect, the QD4.6-40 in respect to all active contracts and purchase orders for the A220 program. Amendments are applicable at the time of their publication, however, compliance by the Supplier is required no later than 90 days after the publication.

It is the policy of the A220 Program to purchase only from approved suppliers who meet our standards of quality and reliability, both at the Tier 1 and sub-tier levels. Therefore, Tier 1 suppliers are requested to ensure their sub-tier suppliers comply with the ASQR4.6 for the course of A220 Program manufacturing activities. The new A220 Approved Suppliers List is available on the Airbus website at www.Airbus.com (Suppliers ->Procurement data quality).

Should you need further information, please do not hesitate to contact our A220 Supplier Quality Assurance department at sqa@abc.airbus.com

Yours truly,



Mario Langlois
Head of Quality Airbus Canada

Disclaimer:

This is the Airbus Canada Limited Partnership (Airbus Canada) list of Aerospace Suppliers (including all airborne parts and appliance suppliers). **This Approved Suppliers List is only applicable to the A220 Program.**

Publication of this neither engages Airbus Canada in any contract relationship/responsibility nor allows automatic contract authorization, ordering, etc.

Suppliers remain liable for fully managing their relationship with sub-tiers.

For any further information, please contact directly your Airbus Canada quality responsible.

Blue table list suppliers status with approved classification per ASQR 4.6.

Green table lists suppliers approved for controlled processes.

*Document revised in October 2020 to remove "Orange" table for inactivated suppliers.



© Airbus Canada Limited Partnership. All rights reserved. This document and all information contained herein is the sole property of Airbus Canada Limited Partnership. No intellectual property rights are granted by the delivery of this document or the disclosure of its content. No part of this document shall be reproduced or disclosed in any manner to a third party without the express written consent of Airbus Canada Limited Partnership. This document and its content shall not be used for any purpose other than that for which it is supplied and any statement made herein do not constitute an offer. AIRBUS, AIRBUS logo and A220 are trademarks or registered trademarks of Airbus SAS.

SAP Code	Vendor Name	Class	Specification Controlled	Description	Limitation
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-1A	INSTRUMENTAL TECHNIQUES OF CHEMICAL ANALYSIS PERFORMED SUCH AS GFAA, FLAME AA, ICP, DCP.	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-1B	WET CHEMISTRY, TREATMENT OF SOLUTIONS AND WATERS PERFORMED BY CLASSICAL NON-INSTRUMENTAL TECHNIQUES SUCH AS GRAVIMETRIC, VOLUMETRIC, COLORIMETRIC OR TITRATION	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-2A	STATIC TESTING - METALS, COMPOSITES, ADHESIVES, RESINS, SEALANTS, PLASTICS, RUBBERS, ETC.	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-3A	METALLOGRAPHIC EXAMINATION OF FERROUS ALLOYS AND METALLIC COATINGS	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-3B	METALLOGRAPHIC EXAMINATION OF ALUMINUM ALLOYS	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-3C	METALLOGRAPHIC EVALUATION OF TITANIUM ALLOYS	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-3D	HARDNESS AND MICRO HARDNESS	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-3E	WELDING EVALUATION	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	A2ERD-GEN-018-5A	CORROSION TESTING	
124351	ELEMENT MATERIALS TECHNOLOGY	A-SUBCONTRACTORS	INDEPENDENT LABORATORY	INDEPENDANT LABORATORY	

Airbus Canada A220 Testing Matrix

Airbus Canada A220 Test Code per A2ERD-GEN-018	Test Description Nadcap MTL Required	EBA Nadcap Test Code
1A Instrumental Techniques of Chemical Analysis	Atomic Emission Spectroscopy – Spark/Arc (OES)	F3
	Elemental Analysis Combustion Carbon	G1
	Elemental Analysis Combustion Sulfur	G5
1B Wet Chemistry, Treatment of Solutions and Waters Performed by Classical, Non- Instrumental Techniques such as Gravimetric, Volumetric	Chemical Testing	Approved by Airbus Canada per Para 3.5.2 of AC 7108 (Chemical Processing)
2A Static Testing - Metals	Room Temperature Tensile	A
	Impact Testing	N
	Bend Testing	XN
3A Metallographic Examination of Ferrous Alloys and Metallic Coatings	Metallographic Evaluation	L0
	Nitriding	L6
	IGA/IGO	L7
	Carburization/Decarburization	L10
	Grain Size	L11
	Inclusion Rating	L12
	Macro Examination	XL
3B Metallographic Examination of Aluminum Alloys	Metallographic Evaluation	L0
3C Metallographic Evaluation of Titanium Alloys	Metallographic Evaluation	L0

Airbus Canada A220 Test Code per A2ERD-GEN-018	Test Description Nadcap MTL Required	EBA Nadcap Test Code
3D Hardness and Microhardness	Hardness - Rockwell	M2
	Hardness - Vickers (Macro)	M3
	Microhardness-Interior	L1
	Near Surface Examinations Microhardness (Surface)	L5
3E Welding Evaluation	AC 7101/3 AC 7101/4 AC 7101/13 AC 7110/13S	U13
5A Corrosion Testing	Corrosion General	Q