



FROM
BOUVIER Mélanie

DATE
11/01/2012

E-MAIL
melanie.bouvier.external@airbus.com

OUR REFERENCE
SUR2011.0011 Ind. A

Subject: Attestation of Airbus Testing Qualification

DICKSON TESTING COMPANY

**11126 Palmer Av
90280 SOUTHGATE
USA**

FOR THE ATTENTION OF:

Jim SCANNELL
Rob LYDDON
Imtiyaz AHMED
Fabien QUERO
Esther POSERIO

Vice President
President
Quality
Contact in Europe
Contact service client

Dear Madam, Dear Sir,

You will find attached the Attestation of Airbus Testing Qualification referenced SUR2011.0011 Ind. A.

This Qualification (or extension of Qualification) is valid until end of 2013, except special comment in the Test List given next page(s).

We remind you that the extension of your Airbus Testing Qualification depends on your monitoring on a Quality Aspect and on a Technical Aspect.

On a Quality aspect, we kindly ask you to indicate us any modification which could have a Quality impact.

Concerning our Technical requirements, we kindly ask you to participate at least every 2 years (thus at the latest in 2013 or in the year indicated in the Attestation) to the PTP organized by EXOVA for the tests you perform on Airbus Products. You will find all the necessary information on the following website:

- <http://www.centech-sa.fr/ptp/> for Metallic Materials
- <http://www.centech-sa.fr/ptpcomposite/> for Composite Materials

In case of PTP results out of tolerances, the extension of Qualification will be reduced to one year, subject to acceptance by Airbus of your Root Cause Analysis and associated Corrective Actions and to a new participation to the PTP if necessary.

On the other hand, you will have to supply us the results of your Internal Round Robin performed in the meanwhile.

Please note that this Qualification may be cancelled by Airbus in case of major incident(s) detecting on one or several test processes.

We wish you good reception and remain at your disposal for any further information or question.

Yours sincerely,

Muriel Auzanne-Besnard
Procurement Quality System (PQDA)
Airbus Laboratories Qualification Manager



ATTESTATION OF AIRBUS TESTING QUALIFICATION

Qualification reference: SUR2011.0011 Ind. A

File followed by: BOUVIER Mélanie
melanie.bouvier.external@airbus.com

We hereby declare the company:

DICKSON TESTING COMPANY

ARP-ID: 276093

Address: 11126 Palmer Av
90280 SOUTHGATE
USA

Qualified or Authorised to proceed for the following Tests processes until end of 2013:

Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ASTM E139	Creep, creep-rupture, and stress-rupture tests of metallic materials		Qualified		2013	
EN 2003-9	Titanium and titanium alloys - Part 9: Determination of surface contamination (method A: Micrographic examination / Method B: Hardness testing)	2	Qualified		2013	Titanium
ISO 9227 (ASTM B117 / ISO 7253 withdrawn)	Corrosion tests in artificial atmospheres - Salt spray tests	2	Qualified		2013	
	Spectrometry: optical emission (OES) (method to be defined)		Qualified		2013	



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 2002-1 (ASTM E8 / ASTM B557)	Tensile testing at ambient temperature	2	Qualified		2013	
ISO 643	Steels - Micrographic determination of the apparent grain size	2	Qualified		2013	Titanium
IGC 04-24-176	Aluminium alloys - Ultimate analysis - Determination of the copper content by electrogravimetric analysis	2	Qualified		2013	
ASTM B117	Standard practice for operating salt spray (Fog) apparatus	2	Qualified		2013	
ASTM G49	Standard practice for preparation and use of direct tension stress-corrosion test specimens	1	Qualified			"No QCS required. Grandfathering." - Test Method carried out on LEGACY PROGRAMS - Aluminum
ISO 3907	Hardmetals - Determination of total carbon content - Gravimetric method		Qualified		2013	
ASTM E9	Compression testing of metallic materials at room temperature	2	Qualified			Titanium
ASTM E399	Linear-elastic plane-strain fracture toughness K _{Ic} of metallic materials	1	Qualified		2013	"No QCS required. Grandfathering." Test Method carried out on LEGACY PROGRAMS



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ISO 6506 (ASTM E10)	Brinell hardness test	2	Qualified		2013	
EN 10045-1 (ASTM E23)	Charpy impact test - Part 1 : Test method (ambient temperature)	2	Qualified		2013	
ISO 4193	Aluminium and aluminium alloys - Determination of chromium content - Flame atomic absorption spectrometric method		Qualified		2013	
	Optical metallography (method to be defined)		Qualified			
ASTM E572 / ASTM E2465	Analysis of stainless and alloy steels by X-ray fluorescence spectrometry / Analysis of Ni-base alloys by X-ray fluorescence spectrometry		Qualified		2013	
PrEN 6072	Fatigue test specimen machining (NADCAP test code O)	1	Qualified			"No QCS required. Grandfathering." Test Method carried out on LEGACY PROGRAMS
EN 10045-1 (ASTM E23)	Charpy impact test - Part 1 : Test method (low temperature)	2	Qualified		2013	
ASTM E3	Standard guide for preparation of metallographic specimens	2	Qualified		2013	



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ASTM G44	Standard practice for exposure of metals and alloys by alternate immersion in neutral 3.5 % sodium chloride solution	1	Qualified			"No QCS required. Grandfathering." Test Method carried out on LEGACY PROGRAMS Aluminum
ISO 6507 (ASTM E92)	Vickers hardness test	2	Qualified		2013	
	Combustion (method to be defined)		Qualified		2013	
ASTM E384 / ISO 6507	Microindentation hardness of materials	2	Qualified		2013	Aluminum
	Inert gas by fusion (method to be defined)		Qualified		2013	
ASTM E407	Microetching metals and alloys	2	Qualified		2013	Titanium
ASTM E1447	Determination of hydrogen in titanium and titanium alloys by inert gas fusion thermal conductivity / infrared detection method	2	Qualified		2013	
ASTM E112	Determining average grain size	2	Qualified		2013	Titanium



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ASTM E1409	Determination of nitrogen in titanium and titanium alloys by the inert gas fusion technique	2	Qualified		2013	
EN 10276	Chemical analysis of ferrous materials - Determination of oxygen in steel and iron		Qualified		2013	
AMS 2315	Determination of delta ferrite content		Qualified			
ISO 6508 (ASTM E18)	Rockwell hardness test	2	Qualified		2013	
PrEN 6072 (ASTM E466)	Constant amplitude fatigue testing (HCF)	1	Qualified		2013	"No QCS required. Grandfathering." Test Method carried out on LEGACY PROGRAMS
ISO 671	Steel and cast iron - Determination of sulphur content - Combustion titrimetric method		Qualified		2013	
	Metallic specimen preparation (for mechanical testing) (method to be defined)		Qualified			
ASTM G47	Determining susceptibility to stress-corrosion cracking of 2XXX and 7XXX aluminum alloy products	1	Qualified			"No QCS required. Grandfathering." - Test Method carried out on LEGACY PROGRAMS - Aluminum



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ISO 6994	Aluminium ores - Determination of aluminium content - EDTA titrimetric method	2	Qualified		2013	
EN 3976	Titanium and titanium alloys - Chemical analysis for the determination of hydrogen content		Qualified		2013	
ISO 9658	Steel - Determination of aluminium content - Flame atomic absorption spectrometric method	2	Qualified		2013	
EN 3114-1	Microstructure of ($\alpha + \beta$) titanium alloy wrought products	2	Qualified		2013	Titanium
ISO 4140	Ferrochromium and ferrosilicochromium - Determination of chromium content - Potentiometric method		Qualified		2013	
ASTM E340	Macroetching metals and alloys	2	Qualified		2013	Titanium

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Muriel Auzanne-Besnard
Procurement Quality System (PQDA)
Airbus Laboratories Qualification Manager