



**FROM**  
BOUVIER Mélanie  
**DATE**  
12/01/2012  
**E-MAIL**  
melanie.bouvier.external@airbus.com  
**OUR REFERENCE**  
SUR2011.0055 Ind. A

**CRITT MDTS**  
**Chemin Moulin Leblanc**  
**08000 CHARLEVILLE MEZIERES**  
**France**

**FOR THE ATTENTION OF:**  
Clotilde GAILLIOT  
Caroline GUERIN

Subject: Attestation of Airbus Testing Qualification

Dear Madam, Dear Sir,

You will find attached the Attestation of Airbus Testing Qualification referenced SUR2011.0055 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: SUR2011.0055 Ind. A

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

**We hereby declare the company:**

### CRITT MDTs

ARP-ID: 150147

Address: Chemin Moulin Leblanc  
08000 CHARLEVILLE MEZIERES  
France

**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 B117	Standard practice for operating salt spray (Fog) apparatus	2	Qualified		2013	All metallic materials and painting
	Optical metallography (method to be defined)		Qualified			All materials and plasma coatings Internal method by colour threshold or customer's specification
ISO 3651-2	Determination of resistance to intergranular corrosion of stainless steels - Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in media containing sulfuric acid	2	Qualified			Stainless steel
EN 10045-1 (ASTM E23)	Charpy impact test - Part 1 : Test method (ambient temperature)	2	Qualified		2013	Steel
ASTM E1409	Determination of nitrogen in titanium and titanium alloys by the inert gas fusion technique	2	Authorised to Proceed	Dec. 2011		Titanium alloys



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 2002-2	Tensile testing at elevated temperature	2	Authorised to Proceed	Sept. 2012	2012	Steel, nickel and copper alloys
	Metallic specimen preparation (for mechanical testing) (method to be defined)		Qualified			All metallic material According to ISO 377 and tests method standards
ISO 2409	Paints and varnishes - Cross-cut test	2	Qualified			Painting
ISO 2808	Paints and varnishes - Determination of film thickness	2	Qualified			Painting
EN 3114-1	Microstructure of ( $\alpha + \beta$ ) titanium alloy wrought products	2	Qualified			Titanium alloys
ISO 11507	Exposure of coatings to artificial weathering - Exposure to fluorescent UV lamps and water	2	Qualified			Painting
ISO 1518	Paints and varnishes - Scratch test	2	Qualified			Painting
ISO 2812-2	Paints and varnishes - Determination of resistance to liquids - Part 2: Water immersion method	2	Qualified			Painting



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 2003-10	Titanium and titanium alloys - Part 10: Sampling for determination of hydrogen content	2	Authorised to Proceed	Sept. 2012	2012	Titanium alloys
	Combustion (method to be defined)		Authorised to Proceed	Sept. 2012	2012	Titanium alloys, steel, cobalt alloys, stainless steel
ISO 6270-2	Paints and varnishes - Determination of resistance to humidity - Part 2: Procedure for exposing test specimens in condensation-water atmospheres	2	Qualified			Painting
ASTM E384 / ISO 6507	Microindentation hardness of materials	2	Qualified		2013	All metallic materials
EN 2002-1 (ASTM E8 / ASTM B557)	Tensile testing at ambient temperature	2	Authorised to Proceed	Sept. 2012	2012	Steel, stainless steel, titanium alloys, cobalt alloys, aluminium alloys
ASTM E407	Microetching metals and alloys	2	Qualified			All metallic materials
ISO 6507 (ASTM E92)	Vickers hardness test	2	Authorised to Proceed	Sept. 2012	2012	All metallic materials
	Spectrometry: optical emission (OES) (method to be defined)		Authorised to Proceed	Sept. 2012	2012	Steel, aluminium alloys



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 2003-9	Titanium and titanium alloys - Part 9: Determination of surface contamination (method A: Micrographic examination / Method B: Hardness testing)	2	Qualified			Titanium alloys Method A
ISO 1519	Paints and varnishes - Bend test (cylindrical mandrel)	2	Qualified			Painting
EN 10045-1 (ASTM E23)	Charpy impact test - Part 1 : Test method (low temperature)	2	Qualified		2013	Steel
ASTM E340	Macroetching metals and alloys	2	Qualified		2013	All metallic materials
ASTM E1447	Determination of hydrogen in titanium and titanium alloys by inert gas fusion thermal conductivity / infrared detection method	2	Authorised to Proceed	Sept. 2012	2012	Titanium alloys
ASTM E45	Determining the inclusion content of steel	2	Qualified			Steel
AMS 2315	Determination of delta ferrite content		Qualified			Stainless steel
ISO 6270-1	Paints and varnishes - Determination of resistance to humidity - Part 1: Continuous condensation	2	Qualified			Painting



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
ASTM E3	Standard guide for preparation of metallographic specimens	2	Qualified		2013	All metallic materials
	Analysis by spectrometry (others)		Authorised to Proceed	Sept. 2012		X-rays fluorescence spectrometry (internal method) Titanium, cobalt and nickel alloys
ISO 6508 (ASTM E18)	Rockwell hardness test	2	Authorised to Proceed	Sept. 2012	2012	All metallic materials
ISO 643	Steels - Micrographic determination of the apparent grain size	2	Qualified		2013	All metallic materials
ASTM E112	Determining average grain size	2	Qualified		2013	All metallic materials
ISO 9227 (ASTM B117 / ISO 7253 withdrawn)	Corrosion tests in artificial atmospheres - Salt spray tests	2	Qualified		2013	All metallic materials and painting
	Various physical tests (method to be defined)		Qualified			INEL X-rays diffractometer - Retained austenite: internal method - Steel IPSEN heat treatment furnace - Heat treatments of specimens according to customer's specifications - Steels
ISO 3651-1	Determination of resistance to intergranular corrosion of stainless steels - Part 1: Austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in nitric acid medium by measurement of loss in mass (Huey test)	2	Qualified			Stainless steel



Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 10276	Chemical analysis of ferrous materials - Determination of oxygen in steel and iron		Qualified			Steel
ISO 6506 (ASTM E10)	Brinell hardness test	2	Authorised to Proceed	Sept. 2012	2012	All metallic materials
ISO 2813	Paints and varnishes - Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°	2	Qualified			Painting

Remark: The Airbus Testing Qualification may be cancelled by Airbus in case of major incident(s) detecting on one or several processes.

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