

**FROM**  
BAVARD Karine  
**DATE**  
12/05/2014  
**E-MAIL**  
karine.bavard.external@airbus.com  
**OUR REFERENCE**  
COMP2014.0013 Ind. A  
**ARP-ID of the Company**  
296664

**RESCOLL, Société de Recherche**  
**8 Allée Geoffroy Saint Hilaire**  
**CS 3002**  
**F-33615 PESSAC CEDEX**  
**France**

**FOR THE ATTENTION OF:**  
Stéphanie ARIGONI Resp. Assurance Qualité  
Isabelle COCO Resp. Laboratoire

Subject: Attestation of Airbus Testing Qualification

Dear Madam, Dear Sir,

You will find attached the Attestation of Airbus Testing Qualification referenced COMP2014.0013 Ind. A.

This Qualification (or extension of Qualification) is valid until end of 2014, 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 2014 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 Homogeneity Studies 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 MALHOMME**  
**Procurement Operations Quality System - POLV**  
**Airbus Laboratories Qualification Manager**



## ATTESTATION OF AIRBUS TESTING QUALIFICATION

Qualification reference: COMP2014.0013 Ind. A

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Address: 8 Allée Geoffroy Saint Hilaire  
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Qualified or Authorised to proceed for the following Tests processes until end of 2014:

Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
AITM 1-0002 (ISO 14129)	Fibre reinforced plastics - Determination of in-plane shear properties ( $\pm 45^\circ$ tensile test)	2	Qualified		2014	
AITM 1-0003	Determination of the glass transition temperatures (DMA)	1	Authorised to Proceed	December 2014	2014	Pending QCS
AITM 1-0005 (EN 6033)	Fibre reinforced plastics - Determination of interlaminar fracture toughness energy - Mode I - Gic	1	Qualified		TBD *	composite QCS131338
AITM 1-0007-A / B / C / D	Fibre reinforced plastics - Determination of plain, open hole and filled hole tensile strength	2	Qualified		2013	Composite
AITM 1-0008-B / C / D	Fiber reinforced plastics - Determination of open hole or filled hole compression strength	2	Authorised to Proceed	December 2014	2013	
AITM 1-0053	Carbon fibre reinforced plastics - Determination of fracture toughness energy of bonded joints - Mode I - G1c	1	Qualified		TBD *	composite QCS131335
AITM 2-0002	Resistance of Materials when tested according to the 12 s or 60 s Vertical Bunsen Burner Test	2	Qualified			Composite (A) Nid d'abeilles (G)
AITM 2-0003	Resistance of Materials when tested according to the 15s horizontal bunsen burner test	2	Qualified			Composite (A) Nid d'abeilles (G)
AITM 2-0004	Flammability of non-metallic materials - Small burner test, 45° - Determination of the resistance of material to flame and glow propagation, and to flame penetration	2	Qualified			Composite (A) Nid d'abeilles (G)
AITM 2-0005	Flammability of non-metallic materials - Small burner test, 60° - Determination of the resistance of electrical wire insulation materials to flame at 60°	2	Qualified			

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Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
AITM 2-0007	Determination of the specific optical smoke density of component parts or sub-assemblies of aircraft interior	1	Authorised to Proceed	December 2014		Authorisation granted based in satisfactory technical test witnessing. Authorisation condition to completion of PTP and closure of Audit Report QTML_RF_RESCOLL_296664 dated Jul 2, 2013.
AITM 2-0008	Determination of the optical smoke density of electrical and non-electrical cable	1	Authorised to Proceed	December 2014		Authorisation granted based in satisfactory technical test witnessing. Authorisation condition to completion of PTP and closure of Audit Report QTML_RF_RESCOLL_296664 dated Jul 2, 2013.
AITM 2-0038	Flammability of non-metallic heat shrinkable tubings - Small burner test, 60° - Determination of the resistance of non-metallic heat shrinkable tubings to flame at 60°	2	Qualified			
AITM 3-0001 (EN 6040)	Analysis of thermoset systems by high performance liquid chromatography (HPLC)	1	Qualified			
AITM 3-0002	Analysis of non metallic material (uncured) by differential scanning calorimetry (DSC)	1	Qualified		2014	QCS101065 Composite
AITM 3-0004 (EN 6043)	Determination of gel time and viscosity	2	Qualified			
AITM 3-0005	Determination of specific gas components of smoke generated by aircraft interior materials	1	Authorised to Proceed	December 2014		Authorisation granted based in satisfactory technical test witnessing. Authorisation condition to completion of PTP and closure of Audit Report QTML_RF_RESCOLL_296664 dated Jul 2, 2013.
AITM 3-0008 (EN 6064)	Determination of the extent of cure by differential scanning calorimetry (DSC)	1	Qualified		2014	QCS101065

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Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
AITM 3-0027	Determination of the melting behaviour and the extent of cristallinity of semi-cristalline materials by differential scanning calorimetry (DSC)	1	Authorised to Proceed	December 2014		QCS pending
AITM 4-0005	Macroscopic and microscopic examination of fiber reinforced plastics	2	Qualified			
EN 2243-3	Structural adhesives - Part 3: Peeling test metal-honeycomb core	2	Authorised to Proceed	June 2014	2013	
EN 2377 (ISO 14130)	Glass fibre reinforced plastics - Determination of apparent interlaminar shear strength	2	Qualified			Composite
EN 2558	Carbon fibre preimpregnates - Determination of the volatile content	3	Qualified			
EN 2561	Carbon Fibre reinforced plastics - Unidirectional laminates - Tensile test parallel to the fibre direction	2	Qualified		2013	Composite
EN 2562	Carbon fibre reinforced plastics - Unidirectional laminates - Flexural test parallel to the fibre direction	2	Qualified		2013	Composite
EN 2563	Carbon fibre reinforced plastics - Unidirectional laminates - determination of apparent interlaminar shear strength	2	Qualified		2014	
EN 2564	Carbon fibre laminates - Determination of the fibre, resin and void contents	3	Qualified		2013	Also according to IGC 04.26.230
EN 2746	Glass fibre reinforced plastics - Flexural test - Three point bend method	2	Qualified			Composite

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Test Standard(s)	Test label	Test category	Qualif. Status	ATP Expiration date	Next PTP participation required	Remark
EN 2850-B (Pren) (ISO 14126-2)	Carbon fibre thermosetting resin unidirectional laminates - Compression test parallel to fibre direction - Method B	2	Authorised to Proceed	June 2014	2013	
ISO 11358	Plastics - Thermogravimetry (TG) of polymers	2	Qualified			Composite
ISO 1183-1	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method	2	Qualified			Composite (A) Plastiques
ISO 2409	Paints and varnishes - Cross-cut test	2	Qualified			
ISO 527-5	Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites	2	Qualified			Composite
ISO 9227 (ASTM B117)	Corrosion tests in artificial atmospheres - Salt spray tests	2	Qualified		2015	

\* Next PTP participation required = TBD: You will be informed when next PTP will be launched.

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

**Muriel MALHOMME**  
**Procurement Operations Quality System - POLV**  
**Airbus Laboratories Qualification Manager**

