



**VAC AERO**  
INTERNATIONAL INC.

**VAC AERO International QUALITY ASSURANCE  
QUESTIONS AND ANSWERS**

**Section 1**

**Company Name:** VAC AERO International Inc.- Oakville Division  
1371 Speers Road  
Oakville, Ontario, Canada L6L 2X5  
Phone: (905) 827-4171  
Fax: Main (905) 827-4171, Thermal Processing (905) 826-8303

**Product/Service** Heat Treating, Furnace Brazing and Fuslon Welding

**Contacts:**

President	Scott Rush
Vice President	Greg Salai
Quality Assurance Manager	Jose Fuentes
Manager of Administration & Customer Service	Animesh Talukdar
Director of Operations	Carline Filice

**Information:**

Number of Employees	Approx. 60
Number of Q.A. Personnel	2
Number of Inspection Personnel	8
Facility Square Footage	75000 (Three Buildings)

**Section 2**

VAC AERO International Inc. is an AS 9100 / ISO 9001 and Nadcap accredited heat-treating facility. We have included for your records, our AS/ISO, Nadcap, and Controlled Goods Program Certificatea. Our Quality Assurance Manual is available to you only upon request.

Our Quality System is based on "**Continuous Improvement of Key Work Processes Focused on Customer Expectations**"

Our quality Program addresses the following:

- |                                |  |
|--------------------------------|--|
| Contract Review                | Document Control                       |
| Quality Records                | Control of Inspection & Test Equipment |
| Purchasing                     | Control of Non-conforming Product      |
| Production and Test Plans      | Corrective Action Procedures           |
| Incoming Inspection            | Control of Customer Supplied Product   |
| Final Inspection               |  |
| Internal Quality system Audits | Product Traceability                   |
| Personnel Training             | Storage & Handling                     |
| After Sales Service            |  |

If you require any further information pertaining to your survey, please do not hesitate to contact me

Yours truly,

Jose Fuentes  
Quality Assurance Manager

TORONTO • MONTREAL

1371 SPEERS ROAD, OAKVILLE, ONTARIO, CANADA L6L 2X5 • TEL: (905) 827-4171 • FAX: (905) 827-7489





*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## **Vac Aero International**

1371 Speers Rd  
Oakville, ON L6L 2X5  
Canada

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## **Heat Treating**

Certificate Number: 3420179094  
Expiration Date: 31 October 2019

Joseph G. Pinto  
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



## SCOPE OF ACCREDITATION

### Heat Treating

**Vac Aero International**  
1371 Speers Rd  
Oakville, ON L6L 2X5  
Canada

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

#### **AC7101/3 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing (to be used on audits on/after 4 December 2016)**

(A) Room Temperature Tensile – Check any applicable boxes

#### **AC7101/4 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microindentation Hardness (to be used on audits on/after 14 August 2016)**

(L0) Metallography Evaluation

Industry Spec – Other L0

(L5X) Near Surface Examinations – Microindentation (Surface) (Chord Method ARP1820)

(L7) Near Surface Examinations – IGA, IGO

#### **AC7102 Rev J - Nadcap Audit Criteria for Heat Treating Baseline (AC7102/S and AC7102/8 must also be selected) (to be used on audits on/after 3 December 2017)**

Brazing – AC7102/1 must also be selected

Nickel and Cobalt Alloys– Customer Specs

Stainless Steels, Austenitic– Customer Specs

Stainless Steels, Martensitic – Customer Specs

Stainless Steels, Martensitic – Industry Specs – Check any applicable boxes

Stainless Steels, Precipitation Hardening – Customer Specs

Stainless Steels, Precipitation Hardening – Industry Specs – Check any applicable boxes

Steels – Customer Specs

Steels – Industry Specs – Check any applicable boxes

Stress Relieve – Customer Specs

Stress Relieve – Industry Specs – Check any applicable boxes

t-fm-17

17-Jun-10

Titanium Alloys – Customer Specs

Titanium Alloys – Industry Specs – Check any applicable boxes

AMS–H–81200

Vacuum Heat Treating – Customer Specs

Vacuum Heat Treating – Industry Specs – Check any applicable boxes

**AC7102S Rev G - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits on/after 16 April, 2017)**

U11 The Boeing Company

U13 Bombardier, Inc.

U14 SAFRAN Group

U3 Rolls–Royce PLC

**AC7102/1 Rev F - Nadcap Audit Criteria for Heat Treating - Brazing (to be used on audits on/after 10 July 2016)**

Atmosphere Brazing – Customer

Atmosphere Brazing – Industry Specs – Check any applicable boxes

Industry Spec – Other

Vacuum Brazing – Customer Specs

Vacuum Brazing – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102/5 Rev D - Nadcap Audit Criteria for Heat Treating - Hardness and/or Conductivity Testing (to be used on on/after 3 September 2017)**

Hardness – Portable – Check any applicable boxes

Hardness – Rockwell – Check any applicable boxes

**AC7102/8 - Nadcap Audit Criteria for Heat Treating Pyrometry**

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

AMS2750



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## Vac Aero International

1371 Speers Rd  
Oakville, ON L6L 2X5  
Canada

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

**Welding**

Certificate Number: 3420169034  
Expiration Date: 31 July 2019

Joseph G. Pinto  
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



## SCOPE OF ACCREDITATION

### Welding

**Vac Aero International**  
1371 Speers Rd  
Oakville, ON L6L 2X5  
Canada

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

**AC7110 Rev F - Nadcap Audit Criteria for Welding/ Torch and Induction Brazing and Additive Manufacturing (This is required for all Welding / Torch and Induction Brazing and Additive Manufacturing audits) (to be used on audits on/after 30 April 2017)**

**AC7110/5 Rev H - Nadcap Audit Criteria for Fusion Welding**

Baseline (All audits)

Supplement C – Automatic / Semi-automatic (Additional requirements)

Supplement F – Filler Materials (Additional requirements)

Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)

Supplement H – Preheat / Interpass temperature control (Additional requirements)

Supplement J – Tack Welding (Additional requirements)

Supplement K – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/5S Rev D - Nadcap Supplemental Audit Criteria for Fusion Welding**

U00 None

**AC7110/12 Rev F - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)**

Baseline (All audits)

Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/12S Rev H - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6) (to be used on audits on/after 4 September, 2016)**



**SCOPE OF ACCREDITATION**  
**Welding**

**Vac Aero International**  
1371 Speers Rd  
Oakville, ON L6L 2X5  
Canada

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

AC7110 Rev E - Nadcap Audit Criteria for Welding/Brazing

AC7110/5 Rev II - Nadcap Audit Criteria for Fusion Welding

Baseline (All audits)

Supplement C – Automatic / Semi-automatic (Additional requirements)

Supplement F – Filler Materials (Additional requirements)

Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)

Supplement H – Preheat / Interpass temperature control (Additional requirements)

Supplement J – Tack Welding (Additional requirements)

AC7110/5S Rev D - Nadcap Supplemental Audit Criteria for Fusion Welding

U00 None

AC7110/12 Rev E - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)

Baseline (All audits)

Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

AC7110/12S Rev F - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)

U00 None



Programme des  
marchandises contrôlées

Controlled Goods  
Program



# Certificat d'inscription accordé à VAC AERONAUTICAL INC. of registration issued to VAC AERONAUTICAL INC.

carrying on business and performing its activities under the name

Le présent certificat confirme votre inscription au Programme des  
marchandises contrôlées. Votre inscription est assujéti à des  
conditions réglementaires et aux conditions énoncées par le ministre  
dans le document "Conditions de l'inscription".

This certificate confirms your registration with the Controlled Goods  
Program subject to conditions prescribed by regulations and any  
other conditions set out by the Minister in the "Conditions of  
Registration" document.

N° de certificat / Certificate No. 10817

Entrée en vigueur / Issued 2016/02/12

Date d'expiration / Expires 2021/01/27

Émis par le ministre en vertu de la  
Loi sur la production de défense  
Issued by the Minister pursuant to  
the Defence Production Act

Gestionnaire / Manager

Canada



# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## VAC AERO International Inc.

Main Site: 1371 Speers Road, Oakville, ON L6L 2X5, Canada

Additional Site 1: Suite 402, 5515 North Service Road, Burlington, ON L7L 6G4,  
Canada

Additional Site 2: 1339 Speers Road, Oakville, ON L6L 2X5 Canada

has been audited and registered by Intertek as meeting the requirements of the  
standards:

## AS9100:D and ISO 9001:2015

The management system is applicable to:

### Campus Site Structure

Main Site Scope: Heat treating services to the aerospace industry.

Additional Site 1 Scope: Finance and Purchasing.

Additional Site 2 Scope: Shipping and Receiving, Cleaning and Laboratory Analysis.

**Certificate Number**

US-2439-05

**Initial Certification Date**

10 May 2007

**Certificate Issue Date**

10 May 2016

**Certificate Reissue Date**

12 September 2018

**Certificate Expiry Date**

09 May 2019



A handwritten signature in black ink, appearing to read "Calin Moldoveanu".

**Calin Moldoveanu**

President, Business Assurance

Intertek Testing Services NA, Inc. dba Intertek  
4700 Broadmoor Avenue S.E.,  
Kentwood, MI, USA

