



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 Fusion Welding	
Contacts:	President Scott Rush Vice President Greg Salai Quality Assurance Manager Jose Fuentes Manager of Administration & Customer Service Director of Operations Animesh Talukdar Carmine 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 Certificates. 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 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 - 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

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



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 performance and recognition of accreditation for specific services, as listed in 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 • Warrenton, 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 - 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 - 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 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)

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)

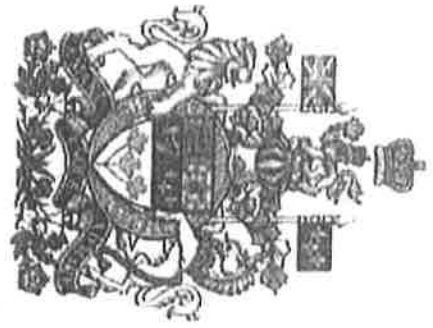
AC7110/12S Rev F - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)

U00 None



Programme des marchandises contrôlées

Controlled Goods Program



Certificat d'inscription accordé à Certificat of registration issued to

VACAERO INTERNATIONAL INC.
carrying out business in Canada through its activities under the name

Le présent certificat confirme votre inscription au Programme des marchandises contrôlées. Votre inscription est assujettie 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.



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

[Signature]

Gestionnaire / Manager

Canada

N° de certificat / Certificate No. 10817
Entrée en vigueur / Issued 2016/02/12
Date d'expiration / Expires 2021/01/27

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-2439-07

Initial Certification Date

10 May 2007

Certificate Issue Date

10 May 2019

Certificate Reissue Date

Certificate Expiry Date

09 May 2022



Intertek



Calin Moldovean

President, Business Assurance

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

