

# BOMBARDIER INC

*Expires: July 31, 2011*



Subscriber Holding  
Nadcap User Compliance and Audit Program  
(NUCAP)  
Certificate & Scope of Approval



August 31, 2010

Mr. Norman Thompson  
Bombardier Inc.  
Airport Road  
Belfast, Ireland BT3 9DZ  
UNITED KINGDOM

Dear Mr. Thompson:

Your facility has been approved for NUCAP. Please note that your NUCAP certificate is valid until **July 31, 2011**. Accordingly, we have enclosed your certificate(s) of approval, your scope of approval, and logo sheet.

**Please note that if any changes occur within your company (i.e., ownership, key managerial staff, equipment, company name, quality manager, address, etc.) that may affect your capability or scope of approved activities, you are required to notify PRI Staff by completing the "Notification of Change/Request for Revised Certification" form located in [eAuditNet.com/Resources/Public Documents/General Documents](http://eAuditNet.com/Resources/Public/Documents/General Documents), immediately.**

We would like to congratulate you on your achievement in meeting the stringent requirements of NUCAP Approval.

If you have any questions concerning the NUCAP Process, please contact PRI Headquarters at (724)772-8584.

Sincerely,

A handwritten signature in cursive script, appearing to read "Christine Sanz". The ink is dark and the signature is fluid and connected.

Christine Sanz  
Business Development Specialist

Enclosures

Certificate(s)  
Scope of Approval  
Logo Sheet



*In accordance with Program Document PD3000, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Users Compliance and Audit Program (NUCAP) Management Council to:*

**BOMBARDIER, INC.**

*at*

*See Attached Supplement*

*They have demonstrated conformance and are awarded approval for specific services, listed in the Scope of Approval, as listed in [www.pri-network.org](http://www.pri-network.org) on the Approved User's Listing (AUL), to the revision in effect at the time of the audit for:*

***Chemical Processing, Composites, Heat Treating, Nondestructive Testing, Surface Enhancement, and Welding***

A handwritten signature in black ink, appearing to read "Anthony Pulo". The signature is written in a cursive style and is positioned above a horizontal line.

*Vice President & Chief Operating Officer*

***Expiration Date: July 31, 2011***

***Certificate Number: 135479***

***Issue Date: August 31, 2010***

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



## SCOPE OF APPROVAL NUCAP

Approval Date: August 31, 2010  
Expiration Date: July 31, 2011

Audit #135479  
Certificate #135479

**Bombardier Inc. - Shorts  
MPPU & Treatments  
Airport Road  
Queens Island, Belfast BT3 9DZ  
Ireland**

**Chemical Processing, Heat Treating, NonDestructive Testing,  
Surface Enhancement**

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

### **Chemical Processing (AC7108)**

- AC7108 - Anodizing: Other  
Chemical Cleaning: Acid, Alkaline, Emulsion, Titanium (Acid, Alkaline)  
Conversion / Phosphate Coatings: Other (Alodine)  
Plating: Alloy (Other)  
Surface Treatment / Passivation: Other
- AC7108/1 - Painting & Dry Film Coatings: Other
- AC7108/2 - Etch: Pre-Penetrant

### **Heat Treating (AC7102) – Audit #130666**

- AC7101/3 - Mechanical Testing:  
(A) RT Tensile Testing
- AC7101/4 - Metallography and Microhardness:  
(L) Metallography (General)  
(L7) Near Surface Examinations – IGA/IGO
- AC7102 - Nickel and Cobalt Alloys: (Age, Anneal & Stress Relieve)  
Stainless Steels: Customer Specifications  
Stainless and PH Stainless Steels: Customer Specifications  
Steels: (Normalize, Anneal, Stress Relieve or Temper), Customer Specifications  
Titanium Alloys: Customer Specification

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**Certificate #135479**

**Heat Treating (AC7102) – Audit #130666 (Cont'd)**

- AC7102/2 - Aluminum Alloys: Customer Specifications
- AC7102/5 - Hardness Testing for Heat Treating:
  - (M2) – Rockwell
  - (M3) – Vickers
- AC7102/S - Nadcap Supplemental Audit Criteria for Heat Treating
  - U3 – Rolls-Royce Plc
  - U13 – Bombardier, Inc.

**NonDestructive Testing (AC7114 / AC7114 S)**

- AC7114/1 - Liquid Penetrant
- AC7114/2 - Magnetic Particle

**Surface Enhancement (AC7117) – Audit #130842**

- AC7117/2 - Automated
- AC7117/5 - Manual

**Bombardier Inc. - Shorts  
Weldshop & Pipeshop  
Airport Road  
Queens Island, Belfast BT3 9DZ  
Ireland**

**Chemical Processing, NonDestructive and Welding**

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

**Chemical Processing (AC7108) – Audit #130762**

AC7108 - Chemical Cleaning:  
Acid  
Alkaline  
Solvent  
Titanium (Alkaline)  
Surface Treatment / Passivation: Other

**NonDestructive Testing (AC7114 / AC7114 S)**

AC7114/1 - Liquid Penetrant  
AC7114/4 - Radiography

**Welding (AC7110)**

AC7110/1 - Brazing:  
Baseline (All Audits)  
Torch (Additional Requirements)  
AC7110/4 - Resistance Welding:  
Baseline (All Audits)  
Seam Welding (identify if this process is used)  
Spot Welding (identify if this process is used)  
AC7110/5 - Fusion Welding:  
Baseline (All Audits)  
Processes Using Gas (for example GTAW, PAW) (Additional Requirements)

**Bombardier Inc. - Shorts  
Metal Bond Production  
Airport Road  
Queens Island, Belfast BT3 9DZ  
Ireland**

**Chemical Processing, Composites and NonDestructive Testing**

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

**Chemical Processing (AC7108)**

- AC7108 - Anodizing: Other  
Chemical Cleaning (As a stand alone process): Acid, Alkaline,  
Cleaning for Adhesive Bonding  
Chemical Milling: Other  
Surface Preparation Prior to Metal Bond: Metal Bond Anodize Processes  
AC7108/1 - Painting & Dry Film Coatings: Other

**Composites (AC7118)**

- AC7118 - Metal Bonding

**NonDestructive Testing (AC7114 / AC7114 S)**

- AC7114/3 - Ultrasonic

**Bombardier Inc. - Shorts  
Sheetmetal Production  
Newtownards Factory, Currie Street  
Newtownards, BT23 4AF  
Ireland**

**Chemical Processing, Heat Treating and NonDestructive Testing**

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

**Chemical Processing (AC7108)**

- AC7108 - Anodizing: Other  
Chemical Cleaning: Acid, Alkaline, Emulsion, Titanium (Acid, Alkaline), Other  
(Stainless Steel Descaling)  
Conversion / Phosphate Coatings: Other (Alodine)  
Surface Treatment / Passivation: Other
- AC7108/1 - Painting/Dry Film Coatings: Other
- AC7108/2 - Etching: Pre-Penetrant

**Heat Treating (AC7102)**

- AC7101/3 - Mechanical Testing:  
(A) RT Tensile Testing
- AC7101/4 - Metallography and Microhardness:  
(L) Metallography (General)
- AC7101/5 - Hardness:  
(M2) Rockwell  
(M3) Vickers
- AC7102/2 - Aluminum Alloys: Customer Specifications
- AC7102 - Stainless and PH Stainless Steels: Customer Specifications  
Titanium Alloys: Customer Specifications

**NonDestructive Testing (AC7114 / AC7114 S)**

- AC7114/1 - Liquid Penetrant

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**Bombardier Inc. - Shorts  
Dunmurry Factory (Composites)  
Dunmurry Industrial Estates  
The Cutts, Belfast BT17 9DH  
Ireland**

**Composites and NonDestructive Testing**

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

**Composites (AC7118) – Audit #130841**

AC7118 - Prepreg/Adhesive Bonding/Resin Film Infusion

**NonDestructive Testing (AC7114 / AC7114 S)**

AC7114/3 - Ultrasonic

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Certificate #135479

**Bombardier Inc. - Shorts  
Newtownabbey Factory (Composites)  
62 Church Road  
Newtownabbey BT36 7LN  
Ireland**

**Composites and NonDestructive Testing**

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

**Composites (AC7118)**

AC7118 - Prepreg/Adhesive Bonding

**NonDestructive Testing (AC7114 / AC7114 S) – Audit #130708**

AC7114/3 - Ultrasonic

**Bombardier Inc.  
1800, boul. Marcel Laurin  
St.-Laurent QC  
Montreal H4R 1K2  
Canada**

**Chemical Processing, Heat Treating and NonDestructive Testing,  
and Surface Enhancement**

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

**Chemical Processing (AC7108)**

- AC7108 - Anodizing: MIL-A-8625  
Chemical Cleaning: Acid, Titanium (Acid)  
Chemical Milling: Other  
Conversion/Phosphate Coatings: MIL-C-5541  
Stripping: Other  
Plating: Brush (MIL-STD-865), Cadmium (QQ-P-416, Other)
- AC7108/1 - Painting & Dry Film Coatings: MIL-C-22750, MIL-C-85285, MIL-P-85582,  
MIL-W-5044, TT-P-28
- AC7108/2 - Etching: Local (Swab) Etch, Pre-Penetrant Etch

**Heat Treating (AC7102)**

- AC7101/3 - Mechanical Testing:  
(A) RT Tensile Testing
- AC7101/4 - Metallography and Microhardness:  
(L) Metallography (General)  
(L6) Near Surface Examinations – Diffusion Coating  
(L7) Near Surface Examinations – IGA/IGO
- AC7101/5 - Hardness:  
(M2) Rockwell
- AC7102/2 - Aluminum Alloys: (Anneal, and/or Stress Relieve), (Stress Relieve  
and/or Age Only), Customer Specifications  
Hot Forming/Hot Sizing

**NonDestructive Testing (AC7114 / AC7114 S)**

- AC7114/1 - Liquid Penetrant
- AC7114/2 - Magnetic Particle

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**Surface Enhancement (AC7117)**

- AC7117/1 - Computer Controlled Peening
- AC7117/3 - Peen Forming
- AC7117/4 - Flapper Peening
- AC7117/5 - Manual Peening

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**DEVIATION SUMMARY**

No Deviations at this time.