

MESSIER-DOWTY

Expires: July 31, 2011



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



June 8, 2010

Mr. Latchezar Anguelov
Messier-Dowty Montreal
13000 Rue de Parc
Mirabel
Canada

Dear Mr. Aguelov:

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 at (978) 475-7829.

Sincerely,

A handwritten signature in black ink, appearing to read "Arshad Hafeez". The signature is fluid and cursive.

Arshad Hafeez
Executive Director- Global Business Operations & Corporate Strategies

AH/emm
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:

MESSIER-DOWTY
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 on the Approved User's Listing (AUL), to the revision in effect at the time of the audit for:

***Chemical Processing, Coatings, Heat Treating,
Nondestructive Testing and Surface Enhancement***

*Expiration Date: July 31, 2011
Certificate Number: 135403
Issue Date: June 8, 2010*

A handwritten signature in black ink, appearing to read "W. G. Wagner", is written over a horizontal line.

William G. Wagner, Vice President and General Manager



SCOPE OF APPROVAL NUCAP

**Approval Date: June 8, 2010
Expiration Date: July 31, 2011**

**Audit #135403
Certificate #135403**

**Messier-Dowty SA (Bidos)
Etablissement de Bidos, BP 39
64401 Oloron Ste Marie
FRANCE**

**Chemical Processing, Heat Treating, 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)- # 135064

AC7108 Rev D - Nadcap Audit Criteria for Chemical Processing

Brush Plating – Other
Cadmium Plating – Other
Chromium Plating – Other
Nickel Plating – Other
Surface Treatment/Passivation– AMS-2700
TESTING PERFORMED INTERNALLY IN SUPPORT OF CHEMICAL PROCESSING IN
THE SCOPE OF THE AUDIT. (DO NOT CHECK TESTS THAT ARE OUTSOURCED.)
B10 Adhesion Tape Testing
B11 Adhesion Scratch and Chisel Testing
B12 Adhesion Bend Testing (Metallic Coatings)
B16 Thickness Verification of Magnetic, Eddy Current and XRF Machines
B2 Hydrogen Embrittlement Testing
B4 Microhardness Testing
B5 Corrosion/Salt Spray Testing
Solution Analysis

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Heat Treating (AC7102 / AC7102S)

AC7102 - Steels: AMS 2759, AMS 2759/1, AMS 2759/2, Customer Specification
AC7102/2 - Aluminum Alloys: AMS 2770, Customer Specifications
AC7102/5 - Materials Testing Laboratories –
Hardness: (M1) Brinell, (M2) Rockwell, (M3) Vickers
AC7101/3 - Materials Testing Laboratories – Mechanical Testing:
(A) RT Tensile Testing
AC7101/4 - Materials Testing Laboratories – Metallography and Microhardness:
(L5) Near Surface Examinations – Microhardness
AC7102/S - Supplemental Audit Criteria for Aluminum Heat Treating
U0-Unknown

Nondestructive Testing (AC7114 / AC7114S)

AC7114/1 - Liquid Penetrant Survey
AC7114/1S - S-U00 None
AC7114/2 - Magnetic Particle Survey
AC7114/2S - S-U00 None
AC7108/2 - Etching: Nital Etch

Surface Enhancement (AC7117)

AC7117/1 - Computer Controlled
AC7117/2 - Automated
AC7117/4 - Flapper

**Messier-Dowty Ltd (Gloucester)
Cheltenham Road
Gloucester, England GL2 9QH**

**Chemical Processing, Heat Treating, 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 - Conversion/Phosphate Coatings: Customer Specification
Plating:
Brush (Customer Specification)
Cadmium (AMS2401, AMS-QQ-P-416, QQ-P-416, Customer Specification)
Chromium (AMS2406, Customer Specification)
Nickel (AMS2424, Customer Specification)
Stripping: Customer Specification
Surface Treatment/Passivation: AMS-2700

Heat Treating (AC7102 / AC7102S)

AC7102 - Beryllium Copper: (Age Only), AMS 2728, Customer Specification
Copper Alloys: (Stress and/or Anneal)
Cryogenic Treatments
Stainless Steels: Customer Specifications
Stainless and PH Stainless Steels: (Age, Anneal and/or Stress Relieve),
AMS 2759/3, Customer Specifications
Steels: (Normalize, Anneal, Stress Relieve or Temper), AMS 2759/1, AMS
2759/2, AMS-H-6875 CL-A, Customer Specifications
Titanium Alloys: (Age, Anneal and/or Duplex Anneal and Stress Relieve), (No
Water Quench), AMS 2801, AMS-H-81200, Customer Specifications
AC7102/2 - Aluminum Alloys: (Anneal and/or Stress Relieve), (Stress Relieve and/or Age
Only)
AC7101/3 - Materials Testing – Mechanical Testing:
(A) RT Tensile Testing

Heat Treating (AC7102 / AC7102S) Continued.

AC7101/4 - Materials Testing – Metallography & Microhardness:
(L) Metallography (General)
(L5) Near Surface Examinations – Microhardness
(L7) Near Surface Examinations – IGA/IGO

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(L8) Near Surface Examinations – Alpha Case: Wrought
(L9) Near Surface Examinations – Alpha Case: Casting
AC7101/5 - Materials Testing - Hardness:
(M1) Brinell
(M2) Rockwell
(M3) Vickers

NonDestructive Testing (AC7114 / AC7114S)- #135110

AC7114 Rev D - Nadcap NonDestructive Testing (NDT) Suppliers Accreditation Program Audit Criteria

AC7114S Rev E - Supplemental Audit Criteria for Nadcap NonDestructive (NDT) Suppliers Accreditation Program Audit Criteria
S-U11 The Boeing Company

AC7114/1 Rev D - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey

AC7114/1S Rev E - Supplemental Audit Criteria for Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey
S-U11 The Boeing Company

AC7114/2 Rev D - Nadcap Audit Criteria for NonDestructive Testing Magnetic Particle Survey

AC7114/2S Rev E - Supplemental Audit Criteria for Nadcap Audit Criteria for NonDestructive Testing Magnetic Particle Survey
S-U11 The Boeing Company

AC7114/4 Rev D - Nadcap Audit Criteria for NonDestructive Testing Facility Film Radiography Survey

AC7114/4S Rev E - Supplemental Audit Criteria for Nadcap Audit Criteria for NonDestructive Testing Facility Film Radiography Survey
S-U11 The Boeing Company

AC7108/2 - Etching: Nital

Surface Enhancement (AC7117) –

AC7117/2 - Automated

AC7117/4 - Flapper

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**Messier-Dowty Inc. (Montreal)
13000 rue du Parc
St Janvier Mirabel Quebec J7J 1P3
CANADA**

**Chemical Processing, Heat Treating, 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 - Plating:
Brush (Customer Specifications)
Cadmium (AMS 2401, Customer Specification)
Chromium (AMS 2406, Customer Specification)
Nickel (Customer Specification)

Heat Treating (AC7102)

AC7102 - Cryogenic Treatment
Steels: (Normalize, Anneal, Stress Relieve or Temper), (Quench & Temper – Commercial), AMS 2759, AMS 2759/2, Customer Specifications

AC7102/5 - Materials Testing
Hardness: (M3) Vickers

AC7101/3- MATERIALS TESTING LABORATORIES MECHANICAL TESTING

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NonDestructive Testing (AC7114)

AC7114/1 - Liquid Penetrant Survey
AC7114/2 - Magnetic Particle Survey
AC7108/2 - Etching: Nital

Surface Enhancement (AC7117)- #135067

AC7117 Rev A - Nadcap Audit Criteria for Shot Peening, Peen Forming, Glass Bead Peening
AC7117/2 - Nadcap Audit Criteria for Automated Peening
AC7117/4 - Nadcap Audit Criteria for Flapper Peening
AC7117/5 - Nadcap Audit Criteria for Manual Peening

Messier-Dowty (Suzhou) Co. Ltd.
70 Qiming Street
Export Processing Zone B
Suzhou Industrial Park
Jiangsu 215021
P.R. China

Heat Treating, 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:

Heat Treating (AC7102 / AC7102S)- #135066

AC7101/3 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Mechanical Testing
Room Temperature Tensile

AC7101/4 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and
Microhardness

(L5)Near Surface Examinations - Microhardness

(L7)Near Surface Examinations - IGA/IGO

AC7102 Rev E - Nadcap Audit Criteria for Heat Treating

Aluminum Alloys - AC7102/2 must also be selected

Stainless Steels, Precipitation Hardening- Industry Specs (to be used on or AFTER 31-
Jan-2010)

Steels- Customer Specs

Steels- Industry Specs (to be used on or AFTER 31-Jan-2010)

Vacuum Heat Treating – Industry Specs (to be used on or AFTER 31-Jan-2010)

Vacuum Heat Treating- Customer Specs

AC7102S Rev B - Nadcap Supplemental Audit Criteria for Heat Treating

U00 - None

AC7102/2 Rev B - Nadcap Audit Criteria for Aluminum Heat Treating

Aluminum Alloys - Customer Specs

Aluminum Alloys - Industry Specs

AC7102/5 - Nadcap Audit Criteria for Hardness Testing for Heat Treating

(M2)Rockwell Hardness

(M3)Vickers Hardness

NonDestructive Testing (AC7114 / AC7114S)

AC7114 - NDT Suppliers Accreditation Program Audit Criteria

AC7114/S - S-U9 Hawker Beechcraft Corporation

AC7114/1 - Liquid Penetrant Survey

AC7114/1S - S-U9 Hawker Beechcraft Corporation

AC7114/2 - Magnetic Particle

AC7114/2S - S-U9 Hawker Beechcraft Corporation

AC7108/2 - Etching: Nital, Temper

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Surface Enhancement (AC7117)

AC7117/2 - Automated
AC7114/4 Flapper

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Messier-Dowty Inc. (Toronto)
574 Monarch Avenue
Ajax
Ontario L1S 2G8
CANADA

**Coatings, 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:

Coatings (AC7109) – Audit #135065

AC7108/1 Rev A - Nadcap Audit Criteria for Dry Film Coatings (This checklist may only be used for dry film lubrication in support of coatings (AC7109/1, /2 or /3); painting and stand alone dry film require a Chemical Processing Audit)

Other

AC7109 Rev B - Nadcap Audit Criteria for Coatings

AC7109/1 Rev B - Nadcap Audit Criteria for Thermal Spray

High Velocity Oxy Fuel (HVOF) / Detonation Gun Spray

AC7109/5 Rev C - Nadcap Audit Criteria for Coating Evaluation Laboratory Practices (Req'd for all Coatings audits - except suppliers using Nadcap approved AC7109/5 labs)

Bond Strength - Bend

Bond Strength - Tensile

Metallography

Microhardness - Vickers

Residual Stress

Specimen Preparation

Surface Finish

Thickness - Mechanical

Thickness - Metallographic

Visual - Microscopic

NonDestructive Testing (AC7114 / AC7114S)

AC7114/1 -Liquid Survey

AC7114/1S -S-U00 None

AC7114/2 -Magnetic Particle Survey

AC7114/2S -S-U00 None

AC7108/2 -Etching: Local (Swab) Etch, Nital, Pre-Penetrant

AC7114 - NDT Suppliers Accreditation Program Audit Criteria

AC7114S- S- U11 Boeing Company

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Surface Enhancement (AC7117)

AC7117/4 -Flapper

AC7117-Audit Criteria for shot peening

AC7117S

S – U11 Boeing Company

AC7117/2-Automated

AC7117/2S-

S –U11 Boeing Company

AC7117/4S-

S- U11 Boeing Company

AC7117/5 -Manual

AC7117/5S-

S –U11 Boeing Company

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DEVIATION SUMMARY: