UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number D77R737Y

This certificate is issued to

DCI Aerotech Division of Detroit
Chrome, Inc.

whose business address is

7515 Lyndon Avenue
Detroit, Michigan 48238

upon finding that its organization complies in all respects with the requirements of the Federal Aviation Regulations relating to the establishment of an Air Agency, and is empowered to operate an approved REPAIR STATION

with the following ratings:
LIMITED NON-DESTRUCTIVE TESTING
LIMITED SPECIALIZED SERVICE
LIMITED LANDING GEAR

This certificate, unless canceled, suspended, or revoked, shall continue in effect INDEFINITELY

Date issued:

September 3, 2008

Steven F. Talbott, Manager, EMI FSDC

By direction of the Administrator

A June 23, 2014

This Certificate is not Cransferable, and any major change in the basic facilities, or in the location thereof, shall be immediately reported to the appropriate regional office of the federal aviation administration

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both



U.S. APPROVAL CERTIFICATE

EASA.145.6584

Taking into account the provisions of Article 12 of Regulation (EC) 216/2008 of the European Parliament and of the Council and the bilateral agreement currently in force between the European Community and the Government of the United States of America, the European Aviation Safety Agency (EASA) hereby certifies:

DCI Aerotech Division of Detroit Chrome, Inc.

FAA NUMBER: D77R737Y 7515 Lyndon Avenue Detroit, Michigan 48238 United States of America

as a Part-145 maintenance organization approved to maintain the products listed in the FAA Air Agency Certificate and associated Operations Specifications and issue related certificates of release to service using the above reference, subject to the following conditions:

- 1. The scope of the approval is limited to that specified on the 14 CFR part 145 repair station Air Agency Certificate, and the associated Operations Specifications for work carried out in the United States (unless otherwise agreed in a particular case by EASA).
- 2. The approval scope shall not exceed the permitted EASA Part-145 ratings as detailed in Regulation EC (No) 2042/2003.
- 3. This approval requires continued compliance with 14 CFR part 145 and the differences as specified in the Maintenance Annex Guidance (MAG), including the use of the FAA Form 8130-3 for release/return to service of components up to and including power plants.
- 4. Certificates of return to service must quote the EASA Part-145 approval reference number quoted above and the 14 CFR part 145 Air Agency Certificate number.
- 5. Subject to compliance with the foregoing conditions, this approval shall remain valid until:

23 October 2016

unless the approval is surrendered, superseded, suspended or revoked.

Date of issue: 23 October 2014

Signed

For EASA



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 United States

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:

Aerospace Quality System (AC7004)

Certificate Number: 3616139097 Expiration Date: 31 January 2015

Joseph G. Pinto, Vice President and Chief Operating Officer



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 **United States**

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:

Chemical Processing

Certificate Number: 3616147467 Expiration Date: 31 July 2015

Ioseph G. Pinto



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 **United States**

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:

NonDestructive Testing

Certificate Number: 3616148861 Expiration Date: 30 April 2015

Ioseph G. Pinto



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 **United States**

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:

Conventional Machining as a Special Process

Certificate Number: 3616160491 Expiration Date: 31 July 2016

Ioseph G. Pinto



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 **United States**

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:

Surface Enhancement

Certificate Number: 3616154814 Expiration Date: 31 October 2016

Ioseph G. Pinto



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

DCI Aerotech Div. of Detroit Chrome Inc.

7515 Lyndon Ave Detroit, MI 48238 **United States**

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:

Coatings

Certificate Number: 3616153711 Expiration Date: 31 January 2015

Joseph G. Pinto

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Doing Business with Boeing Approved Process Sources D1-4426

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Nadcap Accreditation

Notes & Exceptions

Revision Summary

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Boeing Contacts

<u>Authorized Distributors</u> of Aircraft Bearings

<u>Authorized Distributors</u> <u>of Designated Fasteners</u>

Document D1-4426 - Processes for BE10360948

Processor Approval Status Updated Daily Revision IN - December 01, 2014

Detail Information for Processor Code number: BE10360948				
Supplier Name: DCI AEROTECH DIV OF DETROIT CHROME IN				
Address:	7515 LYNDON AVE,			
City/town:	DETROIT			
Province/state:	MI 48238-2481			
Country:	UNITED STATES			
Area:	MI			
Contact Name:	David Thompson			
Title:	QA Director			
Phone: 602-431-4403				
Fax: 602-431-4435				

* An acronym in the "Nadcap Commodity" column only indicates that Nadcap accreditation may be required for this Process Code. It does not provide any indication of this company's actual Nadcap accreditation status.

Process Code	*Nadcap Commodity	Limitation Codes	Doc Notes	Nomenclature	Specification Number
001	<u>AQS</u>	None	None	Boeing approved QMS as defined in D1-4426 Processor Requirements Sec 6.15.1	Quality System
<u>350</u>	<u>CP</u>	None		Chromium- Plating	QQ-C-320
<u>350B</u>	<u>CP</u>	None		Chromium Plating (Electrodeposited)	
<u>351</u>	<u>CP</u>	None	Tank #1 Only	Hard Chromium Plating - Class 1 and 2	BAC 5709
<u>353</u>	<u>CP</u>	None	Tank #1 Only	Hard Chromium Plating - Class 4 (QPL)	BAC 5709
<u>355</u>	<u>CP</u>	None	None	Copper Plating	MIL-C-14550
<u>366</u>	<u>CP</u>	None	Classes 1 & 2	Electroless Nickel Coatings	MIL-C-26074
802	<u>MTL</u>	<u>A3</u>	Bend testing only	Mechanical Testing - Metallic	Mech. Testing
<u>803</u>	<u>MTL</u>	<u>A3</u>	Microhardness only	Metallurgical Testing	Met. Testing
<u>809</u>	<u>CP</u>	<u>A3</u>	None	Process Solution Control	Chem. Testing
<u>810</u>	<u>CP</u>	<u>A3</u>	None	Salt Spray Testing	ASTM-B-117

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<u>M325</u>	<u>CP</u>	None	None	Chemical Film - Aluminum (Immersion Application Only) (QPL)	HP4-57
<u>M335</u>	<u>CP</u>	None	None	Silver Plating (QPL)	HP4-17
<u>M341</u>	<u>CP</u>	None	None	Cadmium Plating (QPL)	HP4-11
<u>M344</u>	<u>CP</u>	None	None	Cadmium - Titanium Plating (QPL)	HP4-125
<u>M347</u>	<u>CP</u>	None	None	Brush Plating (QPL)	HP4-113
<u>M400</u>	<u>NDT</u>	None	None	Magnetic Particle Inspection (QPL)	HP6-5

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LUXEMBOURG

PHILIPPINES (BAGUIO)

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Find by Supplier Name:

Find by Approved Specification:

DETROIT CHROME INC.

DETROIT, MI

UNITED STATES

Phone:

Fax:

Contact:

SQR-1

Approved Specs

AMS 2417 AMS-QQ-P-416 EP3647 MIL-PRF-23377 SAE AMS 2404 SAE-AMS-QQ-P-35

AMS 2424 **ASTM 967** MIL-C-13924 MIL-STD-867 SAE-AMS2418

MIL-DTL-16232 QQ-C-320 SAE-AMS2485 SAE-AMS-QQ-P-416 SAE-AMS-S-13165

AMS 2649

ASTM E1417

ASTM E1444 MIL-PRF-22750 QQ-P-416 SAE-AMS2649

AMS-A-8625

SBC00

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A Division of Detroit Chrome

PLATING APPROVALS

	Hard Chrome	Thin Dense Chrome	Cadmium	Electroless Nickel	Sulfamate Nickel	Gold	Silver	Copper	Lead	Tin	Zinc	Indium
Nadcap	X	X	Χ	X	X	X	X	Χ	Χ	X	X	X
FAA Repair Station	X	Х	X	X	X	X	X	X	Х	Χ	X	X
AAR Cargo	X	X	X	X	X	X	X	X	X	X	X	
Goodrich Cargo	X	X	X	X	X	X	X	X	X	X	X	X
Boeing	X	Х		X				X				
Curtiss Wright	X	X	X	X	X							
Eaton	Χ	Х	X	X	X	X	X	Х	X	X	Х	Х
GE Aircraft	Х	Х	X*	X	X		Х	Х				
Global Tooling	Х	Х										
Hamilton Sundstrand	X	X	X	X	X	X	X	X	X		X	X
Lockheed Martin			X									
Lycoming	Χ							Χ			Χ	
Moog	X	X	X		X			X				
Parker	Χ	Х	X				X	X				
Rolls Royce CA	X	Х	Х	X	X		X	Χ			Х	
Rolls Royce UK	Χ	Х	Х	X	X		Χ	Χ			X	
Rolls Royce US	Χ	Х	Χ	X	X		Х	Χ			Χ	
Vickers	Χ	Х	Х	Х				Х				
Williams International	X	X	X	X	X	X	X	X	X	X	X	

Special Process Approval*





Alloy Plating Approvals

	Bronze	Nickel Cadmium Diffused	Ti-Cad	Lead Indium Diffused	Lead Tin	Zinc Nickel	Shotpeen
Nadcap	Χ	Χ	Χ	X	Χ	Χ	Χ
FAA Repair Station	X	X	X	X	Χ	X	X
AAR Cargo							
Goodrich Cargo	X	X	X	X	Χ	X	X
Boeing							
Curtiss Wright							
Eaton	X	X	X	X	X	X	X
GE Aircraft							
Hamilton Sundstrand	X			X			X
HR Textron							
Lycoming							
Moog	X						X
Parker	X						
Rolls Royce UK		X					
Rolls Royce US		X					
Vickers	X						
Williams International		X	X	X		X	





Nondestructive Testing Approvals

	Magnetic Particle Inspection	Liquid Penetrant Inspection	Temper Etch Inspection	Pre- Penetrant Etch	Passivation
Nadcap	X	X	X	X	X
FAA Repair Station	X	X	X		X
AAR Cargo	X	X			X
Goodrich Cargo	X	X	X	X	X
Curtiss Wright	X				X
Eaton	X	X	X	X	X
GE Aircraft	X*		X*		
Hamilton Sundstrand	X	X	X	X	X
Moog	X	X	X		X
Lockheed Martin					X
Lycoming	X	X			X
Parker	X	X			X
Rolls Royce UK			X		X
Rolls Royce US	Ар	proval Pendi	ng		X
Siemens, FL		X*			
Vickers	Х	Х			X
Williams International	X	X	X	X	X

Special Process Approval*





Surface Coatings

	Prime & Paint	Dry Film Lube	Enamel Coating	Chemical Conversion Coating	Manganese Phosphate	Zinc Phosphate	Heavy Zinc Phosphate	Titanium Fluoride Phosphate	Black Oxide
Nadcap	Χ	Χ	X	Χ	Χ	Χ	Χ	Χ	X
FAA Repair Station	X	X		X	X	Х	X		
AAR Cargo	X	X		X	X	X			
Goodrich Cargo	X	X	X	X	X	X	X	X	X
Boeing									
Curtiss Wright		X							
Eaton	X	X	X	X	X	X	Χ	X	X
GE Aircraft									Х
Hamilton Sundstrand	X	X							X
HR Textron									
Lockheed Martin				X					
Moog	X			X					
Rolls Royce CA			X						
Rolls Royce UK			X		X	X	Χ		X
Rolls Royce US			X						
Vickers	X	X							X
Williams International	X	X	X	X	X	X	X	X	X



Source Code: T2986; Issue Date: Sep-24-2013; Page 1 of 2



Signature

PLOUCHA, MICHAEL

GE Transportation

36)	Aviation Special Process	Cer	tification					
Supplier DETROIT CHR	OME ELECT FO)В				AE Supplier Code T2986		Issue Date Sep-24-2013
Street Number 7515 LYNDON	AVE			Street DETR	OIT, MI			
City DETROIT			State MI		Country USA		Zip 4823	8
Attention THOMPSON, D	OAVID							
Code - Name of Process		2	Supplier Tech	. Rep.	Specification Ap	provals		
DK - Stripping/Leeching		X			Approved for Chem P4-TE20, P4TF5, N		eachin	g (DK00) per
DO - Coating, Black Oxide		X			Approved for Black Oxide Conversion Coating (DO-00) per MIL-DTL-13924; AMS 2485; S-414.			
DB - Plating		X			Approved for Bronz Chromium Plating (C-320); Copper Pla Plating (DB02) per (DB03) per AMS-2 2410, 2412; QQ-S-5	(DB01) per AMS-2 ting (DB07) per A AMS 2403; Elect 404; Silver Plating	2406, A MS-24 roless-l	MS 2460 (QQ- 18; Nickel Nickel Plating
Remarks: Certificatio	n issued in recognition	of Na	dcap accreditation.					
found them to be capa Category I or II Suppl and/or other provisior Company. Requirement drawings or Purchase time by an Aviation R	a review has been compable of satisfying the recipiers. This a does not in its of the Purchase Orderents for the submission Order will be complete depresentative to determine the price at the end of	quirent itself ar/Sub and continue cont	ments of the above s constitute a waiver o Contract, nor does qualification of indiv outlined. Inspection continued compliance	specificati of specific it guarant vidual par of the fac ce with Av	ons, subject to the limit cation requirements as the ee the acceptance of art ts/samples or other iten tilities for which this ce viation requirements.	tations in AE Quality to inspection, testing ticles produced for the as as contained in sportification is granted	Specificati	cation S-1000 for enance of records, ral Electric ons, engineering

30 Merchant St.; MD P30

Source Code: T2986; Issue Date: Sep-24-2013; Page 2 of 2

SOURCING QUALITY	Cincinnati, Ohio USA 45246-3750
	Telephone: +1 513 552 5071
	One Neumann Way Cincinnati,Ohio 45215
	Telephone

GT193 (1/10/00)



SCOPE OF ACCREDITATION

Chemical Processing

DCI Aerotech Div. of Detroit Chrome Inc

7515 Lyndon Ave Detroit, MI 48238

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:

AC7108 Rev D - Nadcap Audit Criteria for Chemical Processing

Alloy Plating – AMS 2415

Alloy Plating – AMS 2416

Alloy Plating – AMS 2417

Alloy Plating – AMS-P-81728

Alloy Plating – MIL-P-81728

Alloy Plating – MIL-STD-1500

Alloy Plating – Other

Alpha Case Removal (This addresses the removal process only and not the evaluation process)

Anodizing – Other

Brush Plating – Other

Cadmium Plating – AMS 2400

Cadmium Plating - AMS 2401

Cadmium Plating – AMS 2419

Cadmium Plating – AMS-QQ-P-416

Cadmium Plating – MIL-STD-870

Cadmium Plating - Other

Cadmium Plating – QQ-P-416

Chemical Cleaning – ASTM B600

Chemical Cleaning – Acid Cleaning (If Titanium Acid Cleaning is also carried out then

please check "Chemical Cleaning – Titanium Cleaning – Acid" also)

Chemical Cleaning - Alkaline Cleaning (If Titanium Alkaline Cleaning is also carried

out then please check "Chemical Cleaning – Titanium Cleaning – Alkaline" also)

Chemical Cleaning – Emulsion Cleaning

Chemical Cleaning – Other



Chemical Cleaning – Semi-Aqueous Cleaning

Chemical Cleaning – Solvent Cleaning

Chemical Cleaning – Titanium Cleaning – Alkaline

Chromium Plating – AMS 2406

Chromium Plating – AMS 2438

Chromium Plating – AMS 2460

Chromium Plating – ASTM B 650

Chromium Plating – MIL-STD-1501

Chromium Plating – Other

Chromium Plating –AMS-QQ-C-320

Chromium Plating –QQ-C-320

Conversion/Phosphate Coatings – AMS 2480

Conversion/Phosphate Coatings – AMS 2481

Conversion/Phosphate Coatings – AMS 2485

Conversion/Phosphate Coatings – AMS 2486

Conversion/Phosphate Coatings – DOD-P-16232

Conversion/Phosphate Coatings – MIL-C-13924

 $Conversion/Phosphate\ Coatings-MIL-C-5541$

Conversion/Phosphate Coatings – MIL-DTL-13924

Conversion/Phosphate Coatings – MIL-DTL-16232

Conversion/Phosphate Coatings – MIL-DTL-5541

Conversion/Phosphate Coatings – Other

Conversion/Phosphate Coatings – TT-C-490

Copper Plating - AMS 2418

Copper Plating – MIL-C-14550

Copper Plating – Other

Electroless Plating Nickel – AMS 2404

Electroless Plating Nickel – AMS 2405

Electroless Plating Nickel – AMS-C-26074

Electroless Plating Nickel – MIL-C-26074

Electroless Plating Nickel - Other

Electropolishing – Other

Etch (AC7108/2 MUST ALSO BE SELECTED)

Gold Plating – AMS 2422

Gold Plating – AMS 2425

Gold Plating - MIL-G-45204

Gold Plating – Other

Gold Plating-ASTM B 488

Lead Plating – AMS 2414

Lead Plating - MIL-L-13808

Lead Plating – Other

Nickel Plating – AMS 2403



Nickel Plating – AMS 2423

Nickel Plating - AMS 2424

Nickel Plating – AMS-QQ-N-290

Nickel Plating - Other

Nickel Plating – QQ-N-290

Paint/Dry Film (AC7108/1 MUST ALSO BE SELECTED)

Silver Plating – AMS 2410

Silver Plating - AMS 2411

Silver Plating – AMS 2412

Silver Plating – ASTM B 700

Silver Plating – Other

Silver Plating – QQ-S-365

Surface Treatment/Passivation – ASTM A 380

Surface Treatment/Passivation – ASTM A 967

Surface Treatment/Passivation – Other

Surface Treatment/Passivation – QQ-P-35

Surface Treatment/Passivation— AMS-2700

Surface Treatment/Passivation—AMS-QQ-P-35

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)

B13 Coating Weight Testing

B16 Thickness Verification of Magnetic, Eddy Current and XRF Machines

B18 Adhesion Testing Heat and Quench

B20 Porosity

B21 Other Test Method

B3 Metallography Testing

B4 Microhardness Testing

B5 Corrosion/Salt Spray Testing

B6 Water Immersion/High Humidity Testing

B7 Heat Resistance Testing

Solution Analysis

Tin Plating – AMS 2408

Tin Plating – AMS 2409

Tin Plating – ASTM B 339

Tin Plating – ASTM B 545

Tin Plating – MIL-T-10727

Tin Plating – Other

Zinc Plating – AMS 2402

 Americas
 Asia
 Europe

 + 1 724 772 1616
 + 86 10 6461 9807
 + 44 870 350 5011



Zinc Plating – AMS 2420

Zinc Plating – ASTM B 633

Zinc Plating - Other

Zinc Plating – QQ-Z-325

AC7108/1 Rev A - Nadcap Audit Criteria for Painting & Dry Film Coatings (1)

DOD-P-15328

Dry Film Coatings - Other

MIL-C-22750

MIL-C-46168

MIL-C-53039

MIL-C-8514

MIL-C-85285

MIL-DTL-53022

MIL-DTL-53030

MIL-DTL-53039

MIL-L-46010

MIL-P-23377

MIL-PRF-22750

MIL-PRF-23377

MIL-PRF-85285

MIL-PRF-85582

Paint - Other

Paint/Dry Film Coatings-Other

<u>AC7108/2 Rev B - Nadcap Audit Criteria for Etch Processes (Blue Etch Anodize, Local, Macrostructure, Nital, Pre-Penetrant, Temper)</u>

AMS 2643

AMS 2649

Etching - Other

Local (Swab) Etch

MIL-STD-867

Macrostructure Etch

Nital Etch

Pre-Penetrant Etch

Solution Analysis Performed On Site in Support of Etch Processes

Temper Etch



NonDestructive Testing

DCI Aerotech Div. of Detroit Chrome Inc

7515 Lyndon Ave Detroit, MI 48238

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:

<u>AC7114 Rev E - Nadcap Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation Program</u>

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

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



SCOPE OF ACCREDITATION

Conventional Machining as a Special Process

DCI Aerotech Div. of Detroit Chrome Inc 7515 Lyndon Ave Detroit, MI 48238

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:

AC7126 Rev B - Nadcap Audit Criteria for Conventional Machining as a Special Process (Holemaking, Broaching, Turning, Milling, Grinding, Edge Treatment)

AC7126/5 Rev A - Nadcap Audit Criteria for Grinding

General Grinding Grinding of Coatings

t-frm-17 17-Jun-10

Operations Specifications

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Part A

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
001 Issuance and Applicability	01/31/2012	06/19/2013	1
002 Definitions and Abbreviations	01/12/2012	06/19/2013	1
003 Ratings and Limitations	01/30/2004	09/03/2008	0
004 Summary of Special Authorizations and Limitations	09/23/1998	09/03/2008	0
007 Designated Persons	12/19/2006	09/03/2008	0
Antidrug and Alcohol Misuse Prevention Program	07/17/2009	06/19/2013	1

Certificate No.: D77R737Y

Operations Specifications

A001 . Issuance and Applicability

HQ Control: 01/31/2012 **HQ Revision:** 05d

Certificate No.: D77R737Y

a. These operations specifications are issued to DCI AEROTECH DIVISION OF DETROIT CHROME INC, a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location: 7515 Lyndon Ave Detroit, Michigan 48238

- b. The holder of these operations specifications is the holder of certificate number D77R737Y and shall hereafter be referred to as the "certificate holder".
- c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the certificate for a repair station that is located in the United States is surrendered, suspended, or revoked.
- d. U.S./EC Aviation Safety Agreement Repair Station/Maintenance Organization Approvals not authorized.
- e. The certificate holder is authorized to use only the business name which appears on the certificate to conduct the operations described in subparagraph a.

Delegated authorities: None

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by James Gotha, Principal Maintenance Inspector (GL23) [1] EFFECTIVE DATE: 6/19/2013, [2] AMENDMENT #: 1 DATE: 2013.06.18 06:28:48 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Thompson, David R., Quality Assurance Director

Date

Certificate No.: D77R737Y

Operations Specifications

A002. Definitions and Abbreviations

HQ Control: 01/12/2012 **HQ Revision:** 05b

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA The Bilateral Aviation Safety Agreement (BASA) is an executive

agreement concluded between the United States and a foreign country

for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.

Certificate Holder In these operations specifications, the term "certificate holder" means

the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this

certificate.

CFR Code of Federal Regulations

Class rating As used with respect to the certification, ratings, privileges, and

limitation of aircraft within a category having similar operating

characteristics.

EASA European Aviation Safety Agency

EASA Accountable

Manager

The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out

to the standard required by the EASA full-member Authority.

Exemption An authorization that permits an alternate means of compliance with a

specific CFR. The exemption must meet the procedural requirements

of 14 CFR Part 11.

FAA Accountable

Manager

A person designated by the certificated repair station who is

responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the

primary contact with the FAA.

Geographic Authorization

An approval provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air

carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station facility. A geographic authorization is issued by the FAA to respond to a U.S. air

carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not

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warrant permanently staffing and equipping the station for its

accomplishment.

Limited Rating A rating issued to repair stations for the performance of maintenance

on particular makes and models of airframes, powerplants, propellers,

radios, instruments, accessories, and/or parts.

Limited Ratings -**Specialized Services** Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the

Administrator.

Line Maintenance Any unscheduled maintenance resulting from unforeseen events, or

scheduled checks where certain servicing and/or inspections do not

require specialized training, equipment, or facilities.

MAG The Maintenance Annex Guidance (MAG) defines the process that

the FAA and EASA undertake in the inspection, findings of

compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities

in support of the Agreement, Annex 2, Maintenance.

Maintenance The inspection, overhaul, repair, preservation, and replacement of

parts, but excludes preventive maintenance.

U.S./EC Aviation Safety Agreement,

Annex 2, Maintenance

Preventive

Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals

and the monitoring of repair stations/maintenance organizations.

MIP Maintenance Implementation Procedures (MIP) are procedures for

implementing the provisions of a BASA that apply to maintenance.

MOE A maintenance organization exposition (MOE) pertains to EASA

member countries that use an MOE in place of a Repair Station

As defined in 14 CFR part 1 and part 43 appendix A, subparagraph

Manual (RSM) and a Quality Control Manual (QCM).

Maintenance (c).

QCM Quality Control Manual

Repair Station located

in the United States

A certificated repair station located in the United States.

Repair Station located outside the United

States

A certificated repair station located outside of the United States.

Certificate No.: D77R737Y

RSM Repair Station Manual

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by James Gotha, Principal Maintenance Inspector (GL23) [1] EFFECTIVE DATE: 6/19/2013, [2] AMENDMENT #: 1 DATE: 2013.06.18 06:28:50 -05:00

3. Lereby accept and receive the Operations Specifications in this paragraph.

Thompson, David R., Quality Assurance Director

Date

Certificate No.: D77R737Y

Operations Specifications

A003. Ratings and Limitations

HQ Control: HQ Revision:

01/30/04 010

The Certificate Holder is authorized the following Ratings and/or Limitations:

Class Ratings

None Authorized

Limited Ratings

Rating	<u>Manufacturer</u>	Make / Model	<u>Limitations</u>
Nondestructive Inspection, Testing, and Processing	From the accepted capability list, as amended.	From the accepted Capability List, as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or instructions for continued airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Magnetic Particle	From the accepted	From the accepted Capability	Same as above, and ASTM-E-
Inspection	Capability List, as amended.	List, as amended.	1444, as amended.
Fluorescent Penetrant	From the accepted	From the accepted Capability	Same as above, and ASTM-E-
Inspection	Capability List, as amended.	List, as amended.	1417, as amended.
Nital Etch Inspection	From the accepted	From the accepted Capability	Same as above, and MIL-STD-867,
	Capability List, as amended.	List, as amended.	as amended.

Limited Ratings - Specialized Services

Rating	Specifications	<u>Limitations</u>
Chemical Cleaning	MIL-S-5002, SPOP 211, and PWA-83-a3, all as amended	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Alloy Plating	AMS-2415, AMS-2416, AMS-2417, MIL-P-81728, MIL-STD-1500, HT-G-1, AMS-2429, BPS-4525, PS-172, TAP-PS-920, TAP-PS-809, EPS-3647, and VS-1-3-1-19, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Brush Plating	MIL-STD-865, as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.

Operations Specifications

<u>Limited Ratings - Specialized</u> Rating	<u>Specifications</u>	<u>Limitations</u>
Cadmium Plating	AMS-QQ-P-416, AMS-2400, AMS-2401, MIL-STD-870, and QQ-P-416, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
Chromium Plating	AMS-2460, AMS-QQ-C-320, AMS-2406, AMS-2438, ASTM-B-650, MIL-STD-1501, QQ-C-320, BAC-5709, HS-246, BPS-4517, BPP-320, BPP-320.2, BPP-320.4, TSBS-5702355, and TSBS-05-000084, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
Conversion/Phosphate Coatings	MIL-DTL-13924, MIL-DTL-16232, MIL-DTL-5541, AMS-2480, AMS-2481, AMS-2485, AMS- 2486, MIL-C-13924, DOD-P- 16232, MIL-C-5541, TT-C-490, and BPP-F-340.6, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
Copper Plating	AMS-2418, MIL-C-14550, and RPS-297, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
Electroless Plating-Nickel	AMS-C-26074, AMS-2404, AMS- 2405, and MIL-C-26074, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
Gold Plating	AMS-2422, AMS-2425, and MIL-G-45204, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
ead Plating.	AMS-2414 and MIL-L-13808, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the
Nickel Plating	AMS-QQ-N-290, AMS-2403, AMS-2423, AMS-2424, MIL- STD-868, QQ-N-290, and SPOP- 26, all as amended.	Administrator. Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.
ainting/Dry Film Coating	DOD-P 15328, MIL-DTL-53022, MIL-L-46010, MIL-P-23377, MIL-PRF-23377, MIL-PRF- 46010, WA-PD-365, TT-P-664, TT-P-1757, AMS-3136, P50T15A, and TT-P-636, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other method techniques, and practices acceptable to the Administrator.

Operations Specifications

Limited Ratings - Specialized Services

Rating	Specifications	<u>Limitations</u>
Silver Plating	AMS-2410, AMS-2411, AMS-2412, ASTM-B-700, QQ-S-365, and RPS-168, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Surface Treatment/Passivation	AMS-QQ-P-35, ASTM-A-967, ASTM-A-380, QQ-P-35, AMS- 2700, BAC-5625, and EPS- 11250, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Tin Plating	ASTM-B-339, AMS-2408, AMS-2409, ASTM-B-545, and MIL-T-10727, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Zinc Plating	AMS-2402, AMS-2420, ASTM-B-633, and QQ-Z-325, all as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Stripping	MIL-STD-871, as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.

Issued by the Federal Aviation Administration.

Support information reference:

These Operations Specifications are approved by direction of the Administrator.

Emerson, Eric E.

Principal Maintenance Inspector

GL23

Date Approval is effective: 9/3/08

Amendment Number: 0

I hereby accept and receive the Operations Specifications in this paragraph.

Thompson, David R.

Quality Assurance Director

Date: 9/3/08

Operations Specifications

A004. Summary of Special Authorizations and Limitations 9/23/1998 **HQ Control: HQ** Revision: 010 The certificate holder, in accordance with the reference paragraphs, is authorized to: Reference **Paragraphs** Conduct operations choosing to have an antidrug and alcohol misuse prevention A449 program. The certificate holder is not authorized and shall not: Use Exemptions. A005 Use an approved electronic recordkeeping system, electronic/digital signature, and/or A025 electronic media. Perform maintenance with NAA ratings where the scope of work is authorized by a A060 BASA/MIP. Perform work, including continuous operations, at additional locations other than at its A101 primary fixed location. Perform maintenance in accordance with foreign repair station geographic B050 authorizations. Perform work, excluding continuous operations, at additional locations other than at its D100 primary Fixed Location. Perform line maintenance for cert. holders conducting operations under Parts 121 and D107 135 and for foreign carriers/persons operating U.S. registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station. Issued by the Federal Aviation Administration.

2. Support information reference:

These Operations Specifications are approved by direction of the Administrator.

Emerson, Eric E.

Principal Maintenance Inspector

GL23

4. Date Approval is effective: 9/3/08

Amendment Number:

5. Lhereby accept and receive the Operations Specifications in this paragraph.

Thompson, David R.

Quality Assurance Director

Date: 9/3/08

Operations Specifications

A007. **Designated Persons**

HQ Control: **HQ** Revision: 12/19/06 030

The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 - Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized
Quality Assurance Director	Thompson, David R	A
FAA Accountable Manager, 145 / President	Nichols, Ronald N. Sr.	A
Vice President of Operations	Nichols, Bruce A.	A
Chief Inspector / Aerospace Production Manager	Nguyen, Vinh Quoc	A

The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (INFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 - Designated to Receive INFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
David R. Thompson	davet@detroitchrome.com	313-341-9478	ALL

	_				
1	Issued	hy the	Federal	Aviation	Administration.

Support information reference:

These Operations Specifications are approved by direction of the Administrator.

Emerson, Eric E.

Thompson, David R.

Principal Maintenance Inspector

GL23

Date Approval is effective: 9/3/08

I hereby accept and receive the Operations Specifications in this paragraph.

Quality Assurance Director

Date: 9/3/08

Amendment Number:

Print Date: 9/3/2008 Certificate No.: D77R737Y A007-1

Operations Specifications

A449. Antidrug and Alcohol Misuse Prevention Program

HQ Control: 07/17/2009 HQ Revision: 00a

Certificate No.: D77R737Y

a. The Part 145 repair station certificate holder has elected to implement an Antidrug and Alcohol Misuse Prevention Program, because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, and 135 certificate holder and/or for a 14 CFR Part 91 operator conducting operations under Section 91.147.

- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 120 and 49 CFR Part 40 for its Antidrug and Alcohol Misuse Prevention Program.
- c. Antidrug and Alcohol Misuse Prevention Program records are maintained and available for inspection by the FAA's Drug Abatement Compliance and Enforcement Inspectors at the location listed in Table 1 below:

Location & Telephone of Antidrug and Alcohol Misuse
Prevention Program Records:

Telephone Number: A1 (313)341-9478

Address: 7515 Lyndon St.

Address: N/A

City: Detroit

Table 1

d. Limitations and Provisions.

- (1) Antidrug and Alcohol Misuse Prevention Program inspections and enforcement activity will be conducted by the Drug Abatement Division. Questions regarding these programs should be directed to the Drug Abatement Division.
- (2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:
 - (a) Location or phone number where the Antidrug and Alcohol Misuse Prevention Program Records are kept.
 - (b) If the certificate holder's number of safety-sensitive employees goes to 50 and above, or falls below 50 safety-sensitive employees.
- (3) The certificate holder with 50 or more employees performing a safety-sensitive function on January 1 of the calendar year must submit an annual report to the Drug Abatement Division of the FAA.
- (4) The certificate holder with fewer than 50 employees performing a safety-sensitive function on January 1 of any calendar year must submit an annual report upon request of the Administrator, as specified in the regulations.

The certificate holder has fewer than 50 safety-sensitive employees.

State:

Zip code:

MI

48238

Operations Specifications

- 1. Issued by the Federal Aviation Administration.
- 2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by James Gotha, Principal Maintenance Inspector (GL23) [1] EFFECTIVE DATE: 6/19/2013, [2] AMENDMENT #: 1 DATE: 2013.06.18 06:28:46 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Thompson, David R., Qualify Assurance Director

Date

Certificate No.: D77R737Y





Certificate Approval

This is to certify that

DCI Aerotech Detroit – Michigan – USA

is an approved supplier for the scope specified

Scope of approval:

- Classified part control to EDS 1306
- Classified part control (UK)
- AMS 2400
- AMS 2403
- AMS 2404AMS 2405
- · AMS 2406
- AMS 2410AMS 2411
- AMS 2412
- · AMS 2416
- · AMS 2418

- AMS 2424AMS 2438
- AMS 2438AMS 2485
- AMS-QQ-C-320
- AMS-QQ-N-290
- AMS-QQ-P-35
- AMS-QQ-P-416
- AMS-QQ-Z-325
- ASTM A 380

- ASTM B 633
- ASTM B 650
- MIL-C-13924
- MIL-C-26074
- MSRR 9274
- RPS 168
- RPS 278
- RPS 297
- RPS 661/2, /9 & /15
- Paint / Dry Film other (to AMS via RR Corporation)
- Acid / Alkaline / Emulsion / Aqueous / Solvent cleaning (to AMS via R-R Corporation)

Approval number: 100570

Issue date: 21st October 2004

Expiry date: n/a

This certificate supersedes all previous approval letters/certificates and is subject to the terms on the back hereof

Tony Edwards

Tay Edwards

Regional Regulatory Authority

216521.01.doc



216521.03 GVP 9522 (10/12)

This certificate supersedes all previous approval letters/certificates and is subject to the terms on the back hereof.



Rolls-Royce plc Mail Code ML - 67 P O Box 31 Derby DE24 8BJ England

Certificate **Approval**

This is to certify that

DCI Aerotech Division of Detroit Chrome Inc. Detroit - Michigan - USA

Vendor Number: 216521

is an approved supplier for the scope specified

Scope of approval:

- Classified part control
- RPS 6 RPS 168
- RPS 26RPS 55RPS 237 • RPS 170

- RPS 128 RPS 297
- **RPS 130**
- RPS 367
- RPS 147 RPS 386
- RPS 449
- RPS 461
- RPS 576
- RPS 661/9 & /15
- RPS 709

Approval number: 100570

Issue date: 12th November 2010

Expiry date: n/a

Tony Edwards

TangEderards

Regional Regulatory Authority

This certificate supersedes all previous approval letters/certificates and is subject to the terms on the back hereof

216521.03Aerotech



Expiry date: Unlimited

Manager, Supplier Quality, Rolls-Royce Canada

We confirm that your Quality Assurance Controls meet the general requirements of Rolls-Royce Canada Limited, as specified in RR9000:SABRe. The approval Scope defined is only valid whilst Quality Systems Approval to an appropriate internationally recognized standard is maintained. Your attention is drawn to the need for you to notify Rolls-Royce Canada Limited of management and organisational changes and any change of status of your Quality Systems Approval, in accordance with RR9000:SABRe. Approvals granted are dependent upon the agreed standards being maintained by you and may be revoked at any time by Rolls-Royce Canada Limited, without notice and liability. Nothing in this approval shall prejudice any rights or remedies which Rolls-Royce Canada Limited may have, whether now or in the future in respect of goods which fail to meet contract requirements.