

ABS Quality Evaluations

Certificate Of Conformance

This is to certify that the Quality Management System of:

Senior Aerospace SSP

**2980 N. San Fernando Blvd. (HO)
Burbank, CA 91504-2566
U.S.A.**

(WITH ADDITIONAL FACILITIES LISTED ON ATTACHED ANNEX)

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:

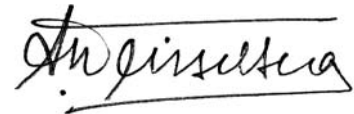
AS9100D:2016, EN9100D:2016, JISQ9100:2016 and ISO9001:2015

The Quality Management System is applicable to:

**DESIGN AND MANUFACTURE OF MILITARY, AEROSPACE, AND MANNED FLIGHT PNEUMATIC COMPONENTS
FROM ALUMINUM, STAINLESS STEEL, AND TITANIUM ALLOYS**

The Certification has been assessed to and approved in accordance with the reqmts of AS9104/1:2012 by ABS QE, an accredited Aerospace Registration Mgmt. Prog. Certification Body, under the ICOP scheme.

Certificate No: 38228
Certification Date: 30 November 2009
Effective Date: 23 November 2015
Expiration Date: 22 November 2018
Issue Date: 04 November 2017
Certification Structure: AS - Campus



Alex Weisselberg, President



Validity of this certificate is based on the successful completion of the periodic surveillance audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.

ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.

Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

AS9100D:2016, EN9100D:2016, JISQ9100:2016 and ISO9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 38228

Senior Aerospace SSP

At Below Facilities:

Facility: Senior Aerospace SSP - Ontario
2880 Ontario St.
Burbank, CA 91504
U.S.A.

Activity: Manufacturing



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.



Accredited Laboratory

A2LA has accredited

SENIOR AEROSPACE SSP ENGINEERING LAB

Burbank, CA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 19th day of December 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 4771.01
Valid to February 29, 2020

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SENIOR AEROSPACE SSP ENGINEERING LAB
2980 N San Fernando Blvd,
Burbank, CA 91504
Muhannad Owdeh 818-260-2208

MECHANICAL

Valid To: February 29, 2020

Certificate Number: 4771.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on military, aerospace and commercial products falling into the specified ranges of this scope of accreditation:

Test Description:

Test Method(s):

Vibration

*Sine/Random/Mixed Mode
Frequency 3-3000 Hz
Displacement up to 3 inches P-P
Force: 20,000 lbs*

RTCA/DO-160 A,B,C,D,E,F,G;
MIL-STD-810 A,B,C,D,E,F,G

Shock and Crash Safety

Force: 45,000 lbs peak

RTCA/DO-160 A,B,C,D,E,F,G;
MIL-STD-810 A,B,C,D,E,F,G

Temperature/Humidity

*Environmental Temp Range 150°F to
250°F
Humidity Range: 10% to 98% RH*

RTCA/DO-160 A,B,C,D,E,F,G;
MIL-STD-810 A,B,C,D,E,F,G

Continuous gas flow

*Flow: Up to 4,500 SCFM
Pressure: Up to 650 psig
Temperature: Up to 1,400°F*

DTP 10-4408



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

Senior Aerospace SSP

*2980 N. San Fernando Blvd
Burbank, CA 91504
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: 3765165015
Expiration Date: 31 October 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Chemical Processing

Senior Aerospace SSP
2980 N. San Fernando Blvd
Burbank, CA 91504

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 H - Nadcap Audit Criteria for Chemical Processing (to be used on audits on/after 5 June 2016)

Acid Cleaning, Descaling, Passivation and Electropolishing – AC7108/12 must also be selected

Chem Milling and Alpha Case Removal – AC7108/5 must also be selected

General Cleaning and Pre-Cleaning

Alkaline Cleaning (If Titanium Alkaline Cleaning is also carried out then please check Chemical Cleaning – Titanium Cleaning – Alkaline” also)

Titanium Cleaning – Alkaline

Other Titanium Cleaning Alkaline

Pre-Penetrant Etch – AC7108/15 must also be selected

Solution Analysis and Testing – AC7108/4 must also be selected

AC7108/4 Rev B - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108 (To Be Used On Audits Conducted On Or After June 5, 2016)

Solution Analysis In Support of AC7108

Testing Performed Internally In Support of the Chemical Process Accreditation

B03 – Metallographic Preparation In Support of AC7108

B14 – Conductivity Testing In Support of AC7108

B23 – Other Testing In Support of AC7108

AC7108/5 Rev B - Nadcap Audit Criteria for Alpha Case Removal and Chemical Milling (to be used on audits on/after 5 June 2016)

Alpha Case Removal

AC7108/12 - Nadcap Audit Criteria for Acid Cleaning, Descaling, Passivation and

Electropolishing (to be used on audits on/after 5 June 2016)

Acid Cleaning (If Titanium Acid Cleaning is also carried out then please check “Chemical Cleaning – Titanium Cleaning – Acid” also)

Molten Salt Descaling/Pickling

Passivation

Other Passivation

Titanium Cleaning – Acid (This process also requires “Chemical Cleaning – Titanium Cleaning – Alkaline” to also be checked unless customer specifications permit otherwise)

Other Titanium Cleaning Acid

AC7108/15 - Nadcap Audit Criteria for Pre-Penetrant Etch

Immersion Pre penetrant Etch

Local (Swab) Pre–Penetrant Etch



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Senior Aerospace SSP

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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:

Heat Treating

Certificate Number: 3765186002
Expiration Date: 31 October 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Senior Aerospace SSP
2980 N. San Fernando Blvd
Burbank, CA 91504

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)

(L7) Near Surface Examinations – IGA, IGO

(L8) Near Surface Examinations – Alpha Case: Wrought Titanium

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)

Aluminum Alloys – AC7102/2 must also be selected

Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Nickel and Cobalt Alloys– Customer Specs

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

Industry Spec – Other

Stainless Steels, Austenitic– Customer Specs

Titanium Alloys – Customer Specs

Titanium Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Vacuum Heat Treating – Customer Specs

Vacuum Heat Treating – Industry Specs – Check any applicable boxes

Industry Spec – Other

AC7102S Rev G - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits before 14 October, 2018)

U11 The Boeing Company

AC7102/2 Rev C - Nadcap Audit Criteria for Aluminum Heat Treating (to be used on audits before 2 September, 2018)

Aluminum Alloys – Customer Specs

Aluminum Alloys – 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)

Conductivity – Check any applicable boxes

Conductivity – Customer Specs

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:

Senior Aerospace SSP

*2980 N. San Fernando Blvd
Burbank, CA 91504
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: 3765174873
Expiration Date: 30 April 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

NonDestructive Testing

Senior Aerospace SSP
2980 N. San Fernando Blvd
Burbank, CA 91504

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:

AC7114 Rev K - Nadcap Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation (to be used on audits before 31 December 2017)

AC7114S Rev L - Nadcap Supplemental Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation Program (to be used on audits before 31 December, 2017)

S-U11 The Boeing Company
S-U14 SAFRAN
S-U4 Lockheed Martin
S-U8 Airbus

AC7114/1 Rev J - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey (to be used on audits before 31 December 2017)

AC7114/1S Rev K - Nadcap Supplemental Audit Criteria for Penetrant Suppliers Accreditation Program (to be used on audits before 31 December 2017)

S-U11 The Boeing Company
S-U14 SAFRAN
S-U4 Lockheed Martin
S-U8 Airbus

AC7114/4 Rev J - Nadcap Audit Criteria for NonDestructive Testing Facility Film Radiography Survey (to be used on audits before 31 December)

AC7114/4S Rev K - Nadcap Supplemental Audit Criteria for NonDestructive Testing Facility Film Radiography Survey (to be used on audits before 31 December 2017)

Senior Aerospace SSP
Burbank, CA

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S-U11 The Boeing Company
S-U4 Lockheed Martin
S-U8 Airbus



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

Senior Aerospace SSP

**2980 N. San Fernando Blvd
Burbank, CA 91504
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:

Welding

Certificate Number: 3765183675
Expiration Date: 31 January 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Welding

Senior Aerospace SSP
2980 N. San Fernando Blvd
Burbank, CA 91504

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)

AC7110/4 Rev H - Nadcap Audit Criteria for Resistance Welding (Spot, Seam, Projection)

Baseline (All audits)

Seam Welding – sheet (identify if this process is used)

Seam Welding –foil (identify if this process is used)

Spot Welding – foil (identify if this process is used)

Spot Welding – sheet (identify if this process is used)

Supplement A – Aluminum / Magnesium (Additional requirements)

Supplement B – Shear Testing (Additional requirements)

Supplement F – Metallographic Evaluation of Resistance Welds (Qualification and / or Process Control) (Additional requirements)

AC7110/4S Rev F - Nadcap Supplemental Audit Criteria for Resistance Welding (to be used on/after 17 September 2017)

U1 Honeywell

U11 The Boeing Company

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

Baseline (All audits)

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

Supplement D – Material – Additional requirements for titanium welding

- Supplement F – Filler Materials (Additional requirements)
- Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)
- Supplement J – Tack Welding (Additional requirements)
- Supplement K – Metallographic Evaluation of Qualification Welds (Additional requirements)
- Supplement L – Bend Test Evaluation of Qualification Welds (Additional requirements)

AC7110/5S Rev E - Nadcap Supplemental Audit Criteria for Fusion Welding (to be used on/after 17 September 2017)

U11 The Boeing Company

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)

U11 The Boeing Company



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

Senior Aerospace SSP

*2880 N Ontario Street
Burbank, CA 91504
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:

Heat Treating

Certificate Number: 12224186001
Expiration Date: 31 October 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Senior Aerospace SSP
2880 N Ontario Street
Burbank, CA 91504

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:

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)

Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

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

Industry Spec – Other

Stainless Steels, Austenitic– Customer Specs

Titanium Alloys – Customer Specs

Titanium Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Vacuum Heat Treating – Customer Specs

Vacuum Heat Treating – Industry Specs – Check any applicable boxes

Industry Spec – Other

AC7102S Rev G - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits before 14 October, 2018)

U11 The Boeing Company

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:

Senior Aerospace SSP

*2880 N Ontario Street
Burbank, CA 91504
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: 12224174874

Expiration Date: 30 April 2020

Joseph G. Pinto

Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

NonDestructive Testing

Senior Aerospace SSP
2880 N Ontario Street
Burbank, CA 91504

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:

AC7114 Rev K - Nadcap Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation (to be used on audits before 31 December 2017)

AC7114/1 Rev J - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey (to be used on audits before 31 December 2017)

AC7114/6 Rev D - Nadcap Audit Criteria For NonDestructive Testing Facility Digital Radiography, Digital Detector Array (DDA) Survey (to be used on audits on/after 22 January 2017)



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

Senior Aerospace SSP

**2880 N Ontario Street
Burbank, CA 91504
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:

Welding

Certificate Number: 12224183676
Expiration Date: 31 January 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Welding

Senior Aerospace SSP
2880 N Ontario Street
Burbank, CA 91504

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 J – Tack Welding (Additional requirements)

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

Supplement L – Bend Test Evaluation of Qualification Welds (Additional requirements)

AC7110/5S Rev E - Nadcap Supplemental Audit Criteria for Fusion Welding (to be used on/after 17 September 2017)

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

Senior Aerospace SSP
Burbank, CA

#2

audits on/after 4 September, 2016)

U00 None



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

Senior Aerospace SSP

*2980 N. San Fernando Blvd
Burbank, CA 91504
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:

Nonconventional Machining

Certificate Number: 3765176928
Expiration Date: 31 January 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Nonconventional Machining

Senior Aerospace SSP
2980 N. San Fernando Blvd
Burbank, CA 91504

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:

AC7116 Rev C - Nadcap Audit Criteria for Nonconventional Machining (ECM, ECG, EDM, LBM LPM, SEG)(to be used on audits on/after 13 Aug 2017)

AC7116/4 Rev D - Nadcap Audit Criteria for Laser Beam Machining (LBM)(to be used on audits on/after 13 August 2017)

Cutting