



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

Senior Operations LLC

*1075 Providence Highway
Sharon, MA 02067
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: 3970169298
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Welding

Senior Operations LLC
1075 Providence Highway
Sharon, MA 02067

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

AC7110/3 Rev H - Nadcap Audit Criteria for Electron Beam Welding

Baseline (All audits)

Supplement A – Filler Materials (Additional requirements)

Supplement B – GTA Tack Welding (Additional requirements)

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

Supplement F – Material Titanium – Additional requirements for titanium welding

AC7110/3S Rev D - Nadcap Supplemental Audit Criteria for Electron Beam Welding

U1 Honeywell

U10 GE Aviation

U11 The Boeing Company

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

Baseline (All audits)

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

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

Supplement B – Shear Testing (Additional requirements)

Supplement C – GTA Tack Welding (Additional requirements)

Supplement D – Filler Materials (Additional requirements)

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

AC7110/4S Rev E - Nadcap Supplemental Audit Criteria for Resistance Welding

U1 Honeywell
U10 GE Aviation
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)

AC7110/5S Rev D - Nadcap Supplemental Audit Criteria for Fusion Welding

U1 Honeywell
U10 GE Aviation
U11 The Boeing Company

AC7110/6 Rev H - Nadcap Audit Criteria for Laser Welding

Baseline (All audits)
Supplement D – Metallographic Evaluation of Qualification Welds (Additional requirements)
Supplement F – Material – Additional requirements for titanium welding

AC7110/6S Rev D - Nadcap Supplemental Audit Criteria for Laser Welding

U1 Honeywell
U11 The Boeing Company

AC7110/9 Rev F - Nadcap Audit Criteria for Percussion Stud Welding (to be used on audits on/after 7 August 2016)

Baseline (All audits)
Supplement A – Automatic Capacitor Discharge Machines (Additional requirements)

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)

U1 Honeywell

Senior Operations LLC
Sharon, MA

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U10 GE Aviation
U11 The Boeing Company