



# Creative Pathways, Inc. Special Process Approvals

## Master List by Customer Primes and Nadcap Subscribers

Specification No.	Customer	Process Code	Nomenclature	Limit Code	Limitations / Comments
ASTM-E-1417	Aerojet Rocket	N/A	NDT – Penetrant Inspection	N/A	2016.06.15 / 2021.09.01
AWS D17.1	Aerojet Rocket	N/A	Fusion Welding for Aerospace Applications	N/A	None
NAS 410	Aerojet Rocket	N/A	NAS Certification and Qualification of Nondestructive Test Personnel	N/A	None
RA0115-116	Aerojet Rocket	N/A	NDT – Penetrant Inspection	N/A	SMPP: WI-860-007 Rev B per RA0115-116 Rev R
RA1104-003	Aerojet Rocket	N/A	Marking; Electrochemical Etching	N/A	None
RA1607-098	Aerojet Rocket	N/A	Fusion Welding, Process and Quality Requirements for	N/A	None
RL10011	Aerojet Rocket	N/A	Fusion Welding for RS-25, Process and Quality Requirements for	N/A	SMPP: WI-851-004 Rev D per RL10011 Rev Y
Quality System	Boeing	002	Boeing approved QMS as defined in D1-4426 Processor Requirements Sec 6.16.2	None	None
BAC 5975	Boeing	201	Fusion Welding - CRES Heat Resist Nickel - Cobalt Alloys	W2	None
MIL-STD-2219	Boeing	202	Fusion Welding for A/S App-Steel CRES - Heat Resist Alloys	W2	None
AWS D17.1	Boeing	202A	Spec for Fusion Welding for Aerospace Applications for Steel - CRES and Heat Resistant Alloys	W2	None
AMS-STD-2219	Boeing	203	Fusion Welding for A/S App-Steel- CRES - Heat Resist Alloys	W2	None
BAC 5975	Boeing	210	Fusion Welding - Aluminum Alloys	W2	None
MIL-STD-2219	Boeing	211	Fusion Welding for Aerospace Applications - Aluminum Alloys	W2	None
AWS D17.1	Boeing	211A	Spec for Fusion Welding for Aerospace Applications for Aluminum Alloys	W2	None
AMS-STD-2219	Boeing	211B	Fusion Welding for Aerospace Applications - Aluminum Alloys	W2	None
BAC 5975	Boeing	214	Fusion Welding - Titanium - Titanium Alloys	W2	None
MIL-STD-2219	Boeing	214A	Fusion Welding for Aerospace Applications - Titanium Alloys	W2	None
AWS D17.1	Boeing	214B	Spec for Fusion Welding for Aerospace Applicable for Titanium Alloys	W2	None
AMS-STD-2219	Boeing	214C	Fusion Welding for Aerospace Applications - Titanium Alloys	W2	None
BAC 5974	Boeing	215	Fusion Welding of Girth Joints in Systems Tubing	None	None
BAC 5423	Boeing	410	Penetrant Inspection	A3	Limited to Type I, Method A Only.
BSS 7039	Boeing	410A	Liquid Penetrant Inspection	A3	Limited to Type I, Method A Only.
ASTM-E-1417	Boeing	411	Penetrant Inspection	A3	Limited to Type I, Method A Only.



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BAC 5962	Boeing	808	Qual/Cert Welders and Weld Operators	A3	Excluding physical testing of weld samples.
MIL-STD-1595	Boeing	811	Welder Qualification	A3	Excluding physical testing of weld samples.
AMS-STD-1595	Boeing	811A	Welder Qualification	A3	Excluding physical testing of weld samples.
AWS D17.1	Boeing	812	Spec for Fusion Welding for Aerospace Applications for Welder Qualification	A3	Excluding physical testing of weld samples.
Weld Inspector Cert	Boeing	812B	Boeing Approved Visual Weld Inspector Certification Program	A3	None
BSS 7675	Boeing	812C	Personnel Certification for Visual Weld Inspectors/Examiners	A3	None
NAS 410	Boeing	849A	NDI Personnel Certification Level 3 Penetrant	A3	None
STP0645	Boeing	H201A	Welding, Fusion, Stainless Steel and Nickel Alloys	W2	None
STP0545	Boeing	H205	Orbital Tube Welding - Corrosion Resistant Steel - Nickel	W2	None
HBPS-27-002	Boeing	H205A	Orbital Tube Welding- CRES- Titanium and Nickel Alloys	None	None
STP0643	Boeing	H205B	Orbital Tube Welding, CRES, Nickel and Titanium Alloys	W2	None
STP0644	Boeing	H210E	Welding, Fusion, Aluminum Alloys	W2	None
DPS10.301	Boeing	L204	Fusion Weld	W2	None
DPS10.225	Boeing	L204A	Gas Tungsten Arc Welding	None	None
DPS10.322	Boeing	L205	Orbital Tube Welding	W2	None
DPS 10.305	Boeing	L812	Qualification of Fusion Welders & Welding Operators	A3	Excluding physical testing of weld samples.
PS22162	Boeing	S205	Automatic Gas Tungsten Arc Welding of Tubular Joints	None	None
PS22240	Boeing	S214	Fusion Welding - Titanium	W2	None
ST0107LA0020	Boeing	U210	Fusion Welding Aluminum Alloys	W2	None
ST0501LT0010	Boeing	U410	Penetrant Inspection - SMPP Req-d	A3	Limited to Type I, Method A Only.
ASTM-E-1417	Collins Aero	N/A	Dye Penetrant Inspection	None	None
HS 447	Collins Aero	N/A	Inspection, Penetrant Methods of	None	None
HS 4845	Collins Aero	N/A	Inspection, Radiographic	None	None
HS 5036 TYE	Collins Aero	N/A	Titanium Parts, Handling of	None	None
PN16.01	Collins Aero	N/A	Radiographic Inspection and Classification	None	None



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PN16.03	Collins Aero	N/A	Penetrant Inspection and Classification	None	None
PN44.02	Collins Aero	N/A	Computed Radiography	None	None
SVHS 17169	Collins Aero	N/A	Titanium Welding	None	None
037-0143-000	Honeywell	N/A	Gas Tungsten Arc Welding	N/A	None
037-0143-100	Honeywell	N/A	Process Specification, Thermal Switch Gas Tungsten Arc Welding (GTAW)	N/A	None
91547-P6200	Honeywell	N/A	Welding, Fusion, Process for	N/A	None
91547-P6202	Honeywell	N/A	Welding, Fusion, Aluminum and Magnesium, Process for	N/A	None
91547-P6207	Honeywell	N/A	Welding, Gas Tungsten-Arc, Process for	N/A	None
AI-1029	Honeywell	N/A	Weld Repairing of 17-22 AS and 17-22 AV Steel Parts	N/A	None
AMS2685	Honeywell	N/A	Welding, Tungsten Arc, Inert Gas (GTAW Method)	N/A	None
AMS2689	Honeywell	N/A	Fusion Welding Titanium and Titanium Alloys	N/A	None
AWS D17.1/D17.1M	Honeywell	N/A	Specification for Fusion Welding for Aerospace Applications	N/A	None
EI-1194	Honeywell	N/A	Repair Welding of Machined Aluminum Alloy Components	N/A	None
GPS4100-1	Honeywell	N/A	Welding, Fusion Arc	N/A	None
GPS7024-1	Honeywell	N/A	Welding, Fusion Arc (F-18)	N/A	None
GPS7315-1	Honeywell	N/A	Joining (Grimes)	N/A	None
GPS7320-1	Honeywell	N/A	Welding, Manual Gas Tungsten Arc, Aluminum Alloys (Grimes)	N/A	None
GPS7401-1	Honeywell	N/A	Welding, Fusion Arc (Space Station)	N/A	None
LHP6116	Honeywell	N/A	Fusion Arc Welding, Gas Tungsten Arc, and Plasma Arc Processes	N/A	None
LHP6119	Honeywell	N/A	Tubing Assemblies, Orbitally Fusion Arc Welded	N/A	None
LW 0201-002	Honeywell	N/A	Fusion & Resistance Welding of Aerospace Alloys	N/A	None
M691546	Honeywell	N/A	Manufacturing Specification for Fusion Welding of Aluminum Alloys	N/A	None
NGPS 214	Honeywell	N/A	Fusion Welding of Titanium and Titanium Alloys	N/A	None



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NGPS 850	Honeywell	N/A	Fusion Welding	N/A	None
NGPS 945	Honeywell	N/A	Edge Fusion Welding of Small Assemblies	N/A	None
P6200	Honeywell	N/A	Process for Fusion Welding	N/A	None
P6207	Honeywell	N/A	Welding, Titanium, Gas Tungsten Arc, Process for	N/A	None
P6406	Honeywell	N/A	Coating, Hardface, Process for	N/A	None
P6428	Honeywell	N/A	Coating, Gas Tungsten-Arc Welded, Hardface, Process for (Tip Shrouded Blades)	N/A	None
PNCP52530	Honeywell	N/A	Application of Cobalt-Based Hard-Facing Alloy	N/A	None
PS-3004	Honeywell	N/A	Weld Repair of Torque Tube Forgings	N/A	None
S9074-AR-GIB-010/278	Honeywell	N/A	Requirements for Fabrication Welding and Inspection, and Casting Inspection and Repair for Machinery, Piping, and Pressure Vessels	N/A	None
WBS28	Honeywell	N/A	Fusion Welding Supplement to AWS D17.1/D17.1M	N/A	None
WBS5018	Honeywell	N/A	Fusion Arc Welding	N/A	None
WBS5072	Honeywell	N/A	Orbitally Fusion Arc Welded Tubing Assemblies	N/A	None
WBS60	Honeywell	N/A	Fusion Welding for Commercial Applications	N/A	None
WBS68	Honeywell	N/A	Fusion Welding (Space Station)	N/A	None
WBS93	Honeywell	N/A	Fixed Process for Fusion Welding of Ammonia Tank Bellows, PN 2351363-3 (Space Station)	N/A	None
WBS7060	Honeywell	N/A	Fusion Welding for Commercial Applications	N/A	None
WBS7063	Honeywell	N/A	Welding Stack Assembly, Stator	N/A	None
AWS D17.1	Lockheed	401D	Fusion Welding	N/A	None
FPS-1095	Lockheed	406A	Steel Fusion	N/A	None
FPS-1095	Lockheed	406B	Corrosion Resistant Steel, Fusion	N/A	None
FPS-1095	Lockheed	406D	Aluminum Fusion (Welding)	N/A	None
FPS-1095	Lockheed	406E	Titanium Fusion (Welding)	N/A	None



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2ZZP00013	Lockheed	408A	Fusion Welding, F-35 + Approved Cleaning PCD WI-851-005 Rev A for Aluminum and Titanium	N/A	None
5PTPET02	Lockheed	411	Arc Welding of Tubular Joints	N/A	None
AC7110	Nadcap	N/A	Nadcap Audit Criteria for Welding/ to be used on audits after 30 April 2017	N/A	None
AC7110/5	Nadcap	N/A	Nadcap Audit Criteria for Fusion Welding (for audits before 6 Jan 2019) Note: Includes Supplements C, D, F, G, and J	N/A	None
AC7110/5S	Nadcap	N/A	Nadcap Supplemental Audit Criteria for Fusion Welding (used on audits before 5 May 2019)	N/A	U1 Honeywell, U10 GE Aviation, and U11 The Boeing Company (Only)
AC7110/12	Nadcap	N/A	Nadcap Audit Criteria for Welder/Welding Operator Qualification	N/A	None
AC7110/12S	Nadcap	N/A	Nadcap Supplemental Audit Criteria for Welder/Welding Operator	N/A	None
AC7114	Nadcap	N/A	Nadcap Audit Criteria for NDT Suppliers Accreditation	N/A	None
AC7114/1	Nadcap	N/A	Nadcap Audit Criteria for NDT Facility Penetrant Survey	N/A	None
AC7114/10	Nadcap	N/A	Nadcap Audit Criteria for NDT Testing Facility Digital Radiography, Utilizing Digital Detector Array (DDA) & Computed Radiography (CR) Utilizing Photostimulable Luminescence (PSL) Survey	N/A	None
ACS-PRS-7005	Northrop	N/A	Penetrant Inspection / Nondestructive Testing	N/A	Not Approved (Expired) Weldments only; no Pre-Pent etching (outsource as needed). Not approved Appendix A & B
ASTM-E-1417	Raytheon	N/A	Fluorescent Penetrant Inspection (FPI)	N/A	None
ASTM-E-1742	Raytheon	N/A	Computed Radiography (CR)	N/A	None