

## Q019: Special Process Approved Processor Source - with Deliverable Documentation

Seller or Seller's subcontract process sources shall be an approved processor or shall use approved processors as required by purchase contract prior to commencing work under the applicable specification.

For the specifications that require Supplier Material Process Procedure (SMPP) approval, supplier shall perform work and certify to the specification revision referenced on the AR approved SMPP.

A list of approved processors and associated processes are available from the Aerojet Rocketdyne [Supplier Portal](#) Gateway Approved Processor function. If Seller is not registered for the Supplier Portal Gateway, Seller shall contact Buyer to activate registration process.

This clause shall be included in Seller's subcontracts for work performed under this purchase contract that involves approved processes.

Examples of Special processes are listed in Table 1 (page 2):

Aerojet Rocketdyne Company design specifications and/or industry specifications controlling these processes are referred to as Special Process specifications also known as 'certified special processes'.

A Certificate of Conformance or equivalent Process certificate, signed by an authorized agent of the Processor / Seller shall be included with shipping documentation (packing slip).

The certificate shall include:

1. Purchase contract number, Line item number,
2. Part number(s),
3. Trace number (as applicable),
4. Process specification number with revision (if applicable)
5. Processing date(s) and name of the Processor(s) performing each of the approved processes.
6. Warranty; Conformance / Acceptance Statement: Specific process certifications (from the approved processor) must include a statement of acceptance to the requirements specified / flowed (Processing Specification).

This document is an integral part of the contract (purchase order) in which referenced.

**Applicable Revision:** The revision in effect at the time the purchase order is placed.

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Table 1

Special Processes:							
Coatings	Chemical Processing	Heat Treatment	Materials Testing	Nonconventional Machining	Surface Enhancement	Welding: Bonding, Brazing, Metal Joining, Soldering	Nondestructive Inspection Methods:
Coating	Anodize	Annealing	Materials Testing (RC5166)	Electro-discharge Machining (EDM)	Honing	Diffusion	Digital Radiography (DR), Computed Tomography (CT).
Coating Evaluation	Chemical Fine Cleaning	Aging		Electro-chemical Discharge Machining (ECM)	Peening	Electron Beam	Eddy Current
Diffusion Coating	Conversion/Phosphate Coating	Brazing		Laser Cutting		Flash	Liquid Penetrant
Plating	Chemical Milling	Carburizing		Water Jet		Friction/Inertia	Magnetic Particle
Plasma Spray	Dry Film Coatings	Heat Treating				Fusion	NAS Certification & Qualification of Nondestructive Test Personnel
Thermal Spray	Etching	Hardening & Tempering				Laser	Radiography (Film and Non-Film (Computed Radiography (CR)
Vapor Deposition	Electro Polishing	Hot Forming				Resistance	Shearography & Thermography
	Leak Tests (Helium)	Induction Hardening				Selective Laser Melting (SLM)	Ultrasonic
	Passivation	Nitriding				Torch/Induction	
	Precision Cleaning	Normalizing				Welder Welding Operation Qualification	
	Pre-Cleaning for Alu, Cu, Ti materials only.	Stress Relieving					
	Stripping	Vacuum Brazing					

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