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**Approved Process Sources D1-4426**  
 Revision: KA Effective: 1/Mar/2018

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## Approved Process Sources D1-4426

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### Document D1-4426 - Processes for BE10030775

Detail Information for Processor Code number: BE10030775	
Supplier Name: METAL FINISHING CO INC	
Address:	1423 S MCLEAN BLVD,
City/town:	WICHITA
Province/state:	KS 67213-4302
Country:	UNITED STATES
Area:	KS
Contact Name:	Jim Cummings
Title:	
Phone:	316-267-7289
Fax:	316-267-7722

\* 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
<a href="#">003</a>	<a href="#">AQS</a>	None	.	Boeing approved QMS as defined in D1-4426 Processor Requirements Sec 6.15.3	Quality System
<a href="#">101</a>	<a href="#">HT</a>	<a href="#">H5</a>	Less Than Or Equal To 950F Only	Heat Treat of Alloy Steels	BAC 5617
<a href="#">131</a>	<a href="#">HT</a>	<a href="#">H5</a>	Less Than Or Equal To 950F Only	Heat Treat of Corrosion Resistant Steel	BAC 5619
<a href="#">300</a>	<a href="#">CP</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Chemical lines are both approved locations.	Chromic Acid Anodizing of Alum. - Type I	MIL-A-8625
<a href="#">300D</a>	<a href="#">CP</a>	None	.	Anodize Aluminum Type Ic Boric Sulfuric Anodize	MIL-A-8625
<a href="#">301</a>	<a href="#">CP</a>	None	None	Sulfuric Acid Anodize Type II (Approval Not Required for International Space Station (ISS) Houston Only)	MIL-A-8625

<a href="#">301B</a>	<a href="#">CP</a>	None	.	Anodize Type IIb Boric Sulfuric Anodize	MIL-A-8625
<a href="#">302</a>	<a href="#">CP</a>	None	None	Hard Anodize Type III	MIL-A-8625
<a href="#">305</a>	<a href="#">CP</a>	None	None	Chromic Acid Anodizing - Class 1 and 3	BAC 5019
<a href="#">306</a>	<a href="#">CP</a>	None	None	Sulfuric Acid Anodizing	BAC 5022
<a href="#">308</a>	<a href="#">CP</a>	None	None	Hard Anodizing - Class 1 and 2	BAC 5821
<a href="#">311</a>	<a href="#">No Nadcap Commodity Code</a>	None	None	Anodizing of Magnesium (Dow 17 Process)	MIL-M-45202
<a href="#">312</a>	<a href="#">CP</a>	None	None	Anodizing of Magnesium (Dow 17 Process)	BAC 5734
<a href="#">313</a>	<a href="#">CP</a>	None	None	Anodizing of Aluminum Alloys	BAC 5884
<a href="#">315</a>	<a href="#">CP</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Chemical lines are both approved locations.	Boric Acid - Sulfuric Acid Anodizing Class 1	BAC 5632
<a href="#">318</a>	<a href="#">CP</a>	None	McLean address and Satellite location 701-721 East Murdock, Wichita, KS 67214 are both approved locations. The Murdock address has two tank lines, the newest has tanks 50-61, which are 240 inches long by 96 inches deep.	Boric Acid - Sulfuric Acid Anodizing Class 5	BAC 5632
<a href="#">320</a>	<a href="#">CP</a>	<a href="#">C1A C3</a>	None	Chemical Conversion Coating on Aluminum (Immersion App only) (Approval Not Required for International Space Station (ISS) Houston Only)	MIL-C-5541
<a href="#">320B</a>	<a href="#">CP</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Chemical lines are both approved locations.	Chemical Conversion Coatings on Aluminum and Aluminum Alloys (Immersion Application Only)	MIL-DTL-5541
<a href="#">321</a>	<a href="#">CP</a>	None	Addresses:	Chemical Conversion	BAC 5719

			1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Chemical lines are both approved locations.	Coatings for Aluminum (Immersion Application Only)	
<a href="#">322</a>	<a href="#">CP</a>	None	None	Conversion Coating on Magnesium Type III (Dow 7)	MIL-M-3171
<a href="#">323</a>	<a href="#">CP</a>	None	.	Application of Sol-Gel Conversion Coatings on Corrosion Resistant Alloys for Painting (Approval required for Spray, Manual and Immersion application excluding touch up due to post application operations)	BAC 5665
<a href="#">324</a>	<a href="#">CP</a>	None	None	Conversion Coating on Magnesium (Dow 7)	BAC 5609
<a href="#">325</a>	<a href="#">CP</a>	None	None	Colored Chem Conversion Coatings for Alum Immersion App only	BAC 5626
<a href="#">330B</a>	<a href="#">No Nadcap Commodity Code</a>	None	.	Coating- Oxide- Black- for Ferrous Metals	MIL-DTL-13924
<a href="#">331B</a>	<a href="#">CP</a>	None	.	Phosphate Coating- Heavy- Manganese or Zinc Base	MIL-DTL-16232
<a href="#">332</a>	<a href="#">CP</a>	None	None	Phosphate Conversion Coating on Steel	BAC 5810
<a href="#">333</a>	<a href="#">CP</a>	None	Limited to Types I, III and V. Cleaning Methods Limited to Methods I,II,III,IV and V.	Chem Conv Coat and Pretreat Ferrous Surfaces (Base Organic Coatings) I II V only	TT-C-490
<a href="#">340</a>	<a href="#">CP</a>	None	None	Cadmium Plating Types I and II	QQ-P-416
<a href="#">340A</a>	<a href="#">CP</a>	None	.	Plating- Cadmium (Electrodeposited)	AMS-QQ-P-416
<a href="#">341</a>	<a href="#">CP</a>	None	None	Cadmium Plating Types I - II	BAC 5701
<a href="#">342</a>	<a href="#">CP</a>	None	None	Cadmium Plating Type III	QQ-P-416
<a href="#">343</a>	<a href="#">CP</a>	None	None	Cadmium Plating Type III	BAC 5701
<a href="#">349</a>	<a href="#">CP</a>	None	.	Zinc - Nickel Alloy Plating	BAC 5637
<a href="#">349A</a>	<a href="#">CP</a>	None	.	Zinc-Nickel Alloy Plating	AMS 2417
<a href="#">350</a>	<a href="#">CP</a>	None	None	Chromium- Plating	QQ-C-320
<a href="#">350B</a>	<a href="#">CP</a>	None	.	Chromium Plating (Electrodeposited)	AMS-QQ-C-320
<a href="#">351</a>	<a href="#">CP</a>	None	None	Hard Chromium Plating - Class 1 and 2	BAC 5709
<a href="#">352</a>	<a href="#">CP</a>	None	None	Hard Chromium Plating - Class 3	BAC 5709
<a href="#">353</a>	<a href="#">CP</a>	None	None	Hard Chromium Plating - Class 4 (QPL)	BAC 5709

<a href="#">355</a>	<a href="#">CP</a>	None	None	Copper Plating	MIL-C-14550
<a href="#">356</a>	<a href="#">CP</a>	None	None	Copper Plating	BAC 5722
<a href="#">360</a>	<a href="#">CP</a>	None	None	Nickel Plating	QQ-N-290
<a href="#">360A</a>	<a href="#">CP</a>	None		Nickel Plating (Electrodeposited)	AMS-QQ-N-290
<a href="#">361</a>	<a href="#">CP</a>	None	Type I Only	Nickel Plating Types I and II	BAC 5746
<a href="#">368</a>	<a href="#">CP</a>	None	Type I Only	Tin Plating Types I and II	BAC 5717
<a href="#">374</a>	<a href="#">CP</a>	None	Parts Below Rc40, Ex. Commer.	Silver Plating	QQ-S-365
<a href="#">375</a>	<a href="#">CP</a>	None	None	Silver Plating	BAC 5715
<a href="#">382</a>	<a href="#">No Nadcap Commodity Code</a>	<a href="#">C2</a>	Restrict application of Class 2 thermal coating using automated equipment in FS1 booth per Process Control Sheet P001.	Application of Thermal Spray Coatings (QPL)	BAC 5851
<a href="#">383</a>	<a href="#">CP</a>	None	None	Phosphate Fluoride Coatings - Titanium	BAC 5861
<a href="#">391</a>	<a href="#">CP</a>	None	None	Dry Film Lubricant - Type VIII Only (QPL)	BAC 5811
<a href="#">392</a>	<a href="#">CP</a>	None	This approval includes both the McLean and Murdock facilities. Previously omitted from limitation notes.	Application Corrosion Resistant Finish for Integral Fuel Tanks - manual touch-up excluded for requiring approval	BAC 5793
<a href="#">400</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	BAC 5424
<a href="#">400A</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	BSS 7040
<a href="#">402</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	ASTM-E-1444
<a href="#">403</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	MIL-STD-1949
<a href="#">410</a>	<a href="#">NDT</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Penetrant lines are both approved locations.	Penetrant Inspection	BAC 5423
<a href="#">410A</a>	<a href="#">NDT</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Penetrant lines are both	Liquid Penetrant Inspection	BSS 7039

			approved locations.		
<a href="#">411</a>	<a href="#">NDT</a>	None	Addresses: 1423 McLean and Satellite location 721 East Murdock, Wichita, KS 67214; South and North Penetrant lines are both approved locations.	Penetrant Inspection	ASTM-E-1417
<a href="#">412</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection	MIL-STD-6866
<a href="#">420A</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Standard Practice for Radiographic Inspection	ASTM-E-1742
<a href="#">421</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Radiologic Inspection/Radiography (film)	BSS 7041
<a href="#">430</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection - Longitudinal Wave	BAC 5439
<a href="#">431A</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection/Plate - Flat	BSS 7055
<a href="#">431B</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection/Round - Shapes	BSS 7055
<a href="#">435</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection of Tubing	BAC 5439-2
<a href="#">436</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection of Flat Surface Shapes	MIL-STD-2154
<a href="#">436A</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	NDI - Ultrasonic	AMS 2631
<a href="#">436B</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection of Flat Surface Shapes	AMS-STD-2154

<a href="#">436E</a>	<a href="#">NDT</a>	None	Satellite Location 701-721 East Murdock Wichita, KS. 67214 This code originally omitted when the base approval and round bar approval was granted. This additional approval has been conducted using the existing standards on site.	Ultrasonic Inspection of Flat Surfaces	ASTM-E-2375
<a href="#">437</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection of Rounds - Shapes Req-d Compensation	MIL-STD-2154
<a href="#">437A</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Ultrasonic Inspection of Rounds and Shapes	AMS-STD-2154
<a href="#">437C</a>	<a href="#">NDT</a>	None	.	Ultrasonic Inspection of Rounds and Curved Shapes	ASTM-E-2375
<a href="#">440</a>	<a href="#">No Nadcap Commodity Code</a>	None	None	Eddy Current Inspection/Discontinuities	BSS 7048
<a href="#">443</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	Nondestructive Inspection of Composite Parts - Structures	BAC 5980
<a href="#">444</a>	<a href="#">NDT</a>	None	Satellite location 701-721 East Murdock, Wichita, KS 67214	NDI of Adhesive Bonds	BAC 5968
<a href="#">500</a>	<a href="#">SE</a>	None	Shot Peening facility address 1448 South Osage, Wichita, KS 67213	Shot Peening	BAC 5730
<a href="#">510</a>	<a href="#">CP</a>	None	.Shot Peening facility address 1448 South Osage, Wichita, KS 67213	Cleaning - Descaling of Titanium - Method II Only	BAC 5753
<a href="#">806</a>	<a href="#">HT</a>	None	None	Temper Inspection of Non-ferrous Alloys (Conductivity Method including BAC 5651)	BAC 5946
<a href="#">806A</a>	<a href="#">HT</a>	None	None	Hardness Testing	BAC 5650

<a href="#">806D</a>	<a href="#">HT</a>	None	None	Standard Test Methods for Rockwell Hardness of Metallic Materials	ASTM E18
<a href="#">809</a>	<a href="#">CP</a>	None	None	Process Solution Control	<del>Chem. Testing</del>
<a href="#">810</a>	<a href="#">CP</a>	None	None	Salt Spray Testing	ASTM-B-117
<a href="#">848A</a>	<a href="#">NDT</a>	None	Responsible NDT Level III service externally to aerospace processors, as written in their quality manual.	NDI Personnel Certification Level 3 Magnetic	NAS 410
<a href="#">849A</a>	<a href="#">NDT</a>	None	Responsible NDT Level III service externally to aerospace processors, as written in their quality manual.	NDI Personnel Certification Level 3 Penetrant	NAS 410
<a href="#">850A</a>	<a href="#">NDT</a>	None	Responsible NDT Level III service externally to aerospace processors, as written in their quality manual.	NDI Personnel Certification Level 3 Radiographic	NAS 410
<a href="#">851A</a>	<a href="#">NDT</a>	None	Responsible NDT Level III service externally to aerospace processors, as written in their quality manual.	NDI Personnel Certification Level 3 Ultrasonic	NAS 410
<a href="#">852A</a>	<a href="#">No Nadcap Commodity Code</a>	None	Responsible NDT Level III service externally to aerospace processors, as written in their quality manual.	NDI Personnel Certification Level 3 Eddy Current	NAS 410
<a href="#">H440</a>	<a href="#">No Nadcap Commodity Code</a>	None	.	Eddy Current Inspection/General	STP0528
<a href="#">L101C</a>	<a href="#">HT</a>	<a href="#">H5</a>	.	HT Steel - Precipitation Hardenable - Does NOT apply when referenced to DPS9.74	DPS5.00-2
<a href="#">L304</a>	<a href="#">CP</a>	None	None	Chromic Acid Anodizing	DPS11.01
<a href="#">L304B</a>	<a href="#">CP</a>	None	None	Chromic Acid Anodizing - Chromate Sealed	DPS11.01-3
<a href="#">L306</a>	<a href="#">CP</a>	None	None	Sulfuric Acid Anodizing	DPS11.05
<a href="#">L308</a>	<a href="#">CP</a>	None	None	Hard Anodizing - Aluminum	DPS11.04
<a href="#">L322</a>	<a href="#">CP</a>	None	.	Coating-Colorless Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)	DPS9.45
<a href="#">L325</a>	<a href="#">CP</a>	None	.	Coating-Multicolored	DPS9.45

				Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)	
<a href="#">L351</a>	<a href="#">CP</a>	None	None	Chromium Plating	DPS9.71
<a href="#">L400</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	DPS4.704
<a href="#">L410</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection	DPS4.707
<a href="#">L421</a>	<a href="#">NDT</a>	None	.	Radiographic Inspection	DPS4.736
<a href="#">L430</a>	<a href="#">NDT</a>	None	None	Ultrasonic Inspection - Wrought Metals	DPS4.713
<a href="#">L500</a>	<a href="#">SE</a>	None	Shot Peening facility address 1448 South Osage, Wichita, KS 67213	Shot Peening - Metal Parts	DPS4.999
<a href="#">M304</a>	<a href="#">CP</a>	None	Type I Class I	Anodizing - Aluminum (QPL)	HP4-2
<a href="#">M308</a>	<a href="#">CP</a>	None	None	Anodizing Aluminum - Wear Resistance (QPL)	HP4-79
<a href="#">M325</a>	<a href="#">CP</a>	None	None	Chemical Film - Aluminum (Immersion Application Only) (QPL)	HP4-57
<a href="#">M341</a>	<a href="#">CP</a>	None	None	Cadmium Plating (QPL)	HP4-11
<a href="#">M400</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection (QPL)	HP6-5
<a href="#">M410A</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection - Fluorescent (QPL)	HP6-13
<a href="#">S103A</a>	<a href="#">No Nadcap Commodity Code</a>	None	.	HT Steel - Stress & Embrittlement Relief	PS15063
<a href="#">S304</a>	<a href="#">CP</a>	None	None	Anodizing Aluminum	PS13201
<a href="#">S306</a>	<a href="#">CP</a>	None	None	Hard Coat - Aluminum	PS13208
<a href="#">S322</a>	<a href="#">CP</a>	None	.	Coatings - Colorless Chemical Surface Treatment of Aluminum Alloys (Immersion Application Only)	PS13202
<a href="#">S325</a>	<a href="#">CP</a>	None	.	Coating - Multicolored Chemical Conversion of Aluminum Alloys by Immersion	PS13209
<a href="#">S341</a>	<a href="#">CP</a>	None	None	Cadmium Plating	PS13101
<a href="#">S351</a>	<a href="#">CP</a>	None	Parts 180 Ksi & Above Require Embrittlement Test Within 30 Days	Chromium Plating	PS13102
<a href="#">S391</a>	<a href="#">CP</a>	None	None	Application - Dry Film Lubricant	PS18021
<a href="#">S400</a>	<a href="#">NDT</a>	None	Limited To 2500 Amps	Magnetic Particle Inspection	PS21201
<a href="#">S410A</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection - Aluminum	PS21202
<a href="#">S410D</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection - Copper	PS21202
<a href="#">S410H</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection - Stainless Steels	PS21202
<a href="#">S410J</a>	<a href="#">NDT</a>	None	None	Penetrant Inspection - Titanium	PS21202
<a href="#">S430</a>	<a href="#">NDT</a>	None	Raw Stock Only	Ultrasonic Inspection	PS21211
<a href="#">S430C</a>	<a href="#">NDT</a>	None	None	Ultrasonic Inspection -	PS21211.3



				Machined Parts / Thin Mat-I	
<a href="#">S500</a>	<a href="#">SE</a>	None	Shot Peening facility address 1448 South Osage, Wichita, KS 67213	Peening	PS14023
<a href="#">S806B</a>	<a href="#">HT</a>	None	None	Hardness Testing of Parts and Materials	PS21203
<a href="#">U392A</a>	<a href="#">No Nadcap Commodity Code</a>	None	None	Appli. of Teflon-Filled Polyurethane Coating-SMPP Req-d	LA0108-038
<a href="#">U430A</a>	<a href="#">NDT</a>	None	.	Ultrasonic Inspection - SMPP Req-d	ST0501LT0003

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