

ELECTRONIC SYSTEMS			BAE SYSTEMS
TITLE: Procedure for Cancelled, Superseded, and Obsolete Specifications		APPLICABILITY: US Defense	
NUMBER: A86397	REVISION: M	DATE: 7 Feb 2025	FUNCTION: Engineering

Excerpts from A86397 which are applicable to BAE Suppliers

1.1 Suppliers

Suppliers are responsible for providing parts that meet the requirements defined on the drawings, specifications, and/or purchase order terms. In order to allow suppliers to execute purchase orders with BAE Systems drawings that identify cancelled, obsolete, or superseded specifications, this document provides direction to the supplier to use the proper active specifications where clear supersession is defined based on analysis by BAE Systems subject matter experts. For this section, “a supplier” refers to either an external entity who produces items for BAE Systems, or an internal department or division of BAE Systems who produces items for themselves or other internal departments of divisions within BAE Systems.

The following 3 rules shall be followed for proper use of this document.

- Rule #1: If a supplier is able to produce and certify to the specification(s) listed on the drawing, the supplier shall produce and certify to the specification(s) listed on the drawing regardless if the specification(s) is cancelled, obsolete or superseded.
- Rule #2: If a supplier is not able to certify to cancelled, obsolete or superseded specification(s) as listed on the drawing, the supplier shall refer to the A86397 document for guidance.
- Rule #3: If Rule # 2 cannot be accomplished, i.e. the supplier is UNABLE to certify to the cancelled / obsolete / superseded specification, then an SVR shall be submitted for program review; this may result in an ECO to the drawing, a new addition to A86397, or an MRB. Note:

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Table 1: External Supplier - Required Actions when BAE Systems drawings call out cancelled, superseded, inactive, and/or stabilization statements

External Supplier Required Actions when BAE Systems drawings call out cancelled, superseded, inactive, and/or stabilization statements				
Process/ Material	Specification called out	Status	Replacement specification	Direction for Suppliers
Standard General Requirements for Electronic Equipment	Mil-STD-454	Superseded by	Mil-HDBK-454	Direct replacement use MIL-HDBK-454
Marking of Electronic Items	MIL-M-13231C	Cancelled and Superseded by	MIL-STD-13231	Direct replacement provide cert to MIL-STD-13231
Ink, Marking, Epoxy based	MIL-I-43553	Cancelled, SHOULD refer to	CID A-A-56032	Clear supersession indicated in the replacement specification. Provide part and cert to MIL-I-43553 or CID AA-56032. Spec MIL-I-43553 includes ONLY types I and II, whereas the replacement spec A-A-56032 includes an additional type III for outside exposure.
Ink, Marking, Epoxy based	CID A-A-56032	Active	N/A	Provide part and cert to CID AA-56032.
Colors	FED-STD-595	Cancelled and Superseded by	SAE AMS-STD-595	Finish and cert to FED-STD-595 or SAE AMS-STD-595.
Colors	SAE AMS-STD-595	Active	N/A	Finish and cert to SAE AMS-STD-595.
Printed wiring board sheet	IPC-4101	Active	N/A	Fabricate and provide cert to IPC-4101
Chemical Film	SAE AMS-C-5541	Cancelled and Superseded by	MIL-C-5541	If drawing call out is SAE AMS-C-5541, finish and provide certification to MIL-DTL-5541 Type 1, assuming the class is the same.
Chemical Film	Mil-C-5541	Superseded by	Mil-DTL-5541	If dwg call out is MIL-C-5541, finish and provide cert to MIL-C-5541 or MIL-DTL-5541 Type I, assuming the class is the same. Do NOT certify to MIL-DTL-5541 Type II.

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Chemical Film	Mil-DTL-5541	Active	N/A	Finish and provide cert to MIL-DTL-5541. If type is not specified on dwg callout, provide Type I only, otherwise ensure adherence to type called out on dwg.
Chemical Film	AMS2473	Active	N/A	Finish and provide cert to AMS 2473
Chemical Film	ASTM B449	Active	N/A	Finish and provide cert to ASTM B449
Passivation	QQ-P-35	Cancelled- should REFER to	ASTM A967 or AMS-QQ-P-35; Aerospace use AMS-QQ-P-35	Finish and provide cert to AMS 2700 Method 1 class 4.
Passivation	AMS-QQ-P-35	Cancelled and Superseded by	AMS 2700	Finish and provide cert to AMS 2700 Method 1 class 4. If not defined, use table 4 to select type based on alloy grade. If type is defined on the drawing, ensure finish to type on drawing.
Passivation	AMS 2700	Active	N/A	Finish and provide cert to AMS 2700 - Method: If no method is defined on the drawing, only method 1 should be used. If method is defined on the drawing, ensure finish to method on drawing. - Method 1 only, Type: If no type is defined on the drawing, use table 4 to select type based on alloy grade. If type is defined on the drawing, ensure finish to type on drawing. - Class: If no class is specified on the drawing, and you can verify that Class 1 and Class 4 requirements do not apply for this particular application, then Class 2 only finish is allowed. If class is defined on the drawing, ensure finish to class on drawing.
Passivation	ASTM A967	Active	N/A	Finish and provide cert to ASTM A967. If no passivation type is specified on the drawing, use table x1.1 to select type based on alloy grade. If passivation type is specified on drawing, ensure finish type matches drawing.
Aluminum Oxide Coating	MIL-A-63576	Cancelled	No replacement	Push back to BAE Systems buyer if drawing references MIL-A-63576. Submit Supplier Variation Request (SVR) through your procurement representative for drawing change / approval.

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Process/ Material	Specification called out	Status	Replacement specification	Direction for Suppliers
Aluminum Oxide Coating	AMS2482	Active	N/A	Finish and provide cert to AMS2482
Coating	MIL-C-46168	Cancelled, future acquisitions MAY refer to	MIL-DTL-53039 or MIL-DTL-64159	Finish and provide certification to MIL-DTL-53039 and MIL-64159. Ensure proper type and color specified.
Coating	MIL-DTL-53039	Active	N/A	Finish and provide cert to MIL-DTL-53039
Coating	MIL-DTL-64159	Active	N/A	Finish and provide cert to MIL-DTL-64159
Coating	MIL-P-23377	Superseded by	MIL-PRF-23377	Supply part and certify to MIL-P-23377 or MIL-PRF-23377 provided type and class specified on drawing / parts lists are equivalent (i.e. MIL-P-23377F class 2 = MIL-P-23377G class C = MIL-PRF-23377J class C2). Given the time duration from when MIL-P-23377 was superseded, it is unlikely that primer per MIL-P-23377 is still available; MIL-PRF-23377 should be used.
Coating	MIL-PRF-23377	Active	N/A	Supply part and certify to MIL-PRF-23377 provided type and class specified on drawing / parts lists are equivalent (i.e. MIL-P-23377F class 2 = MIL-P-23377G class C = MIL-PRF-23377J class C2).
Coating	MIL-P-85582	Superseded by	MIL-PRF-85582	Supply part and certify to MIL-P-85582 or MIL-PRF-85582 provided type and class specified on drawing / parts lists are equivalent (i.e. MIL-P-85582A class 1 = MIL-P-85582B class 1A = MIL-PRF-85582C class C1). Given the time duration from when MIL-P--85582 was superseded, it is unlikely that primer per MIL-P-85582 is still available; MIL-PRF-85582 should be used.
Coating	MIL-PRF-85582	Active	N/A	Supply part and certify to MIL-PRF-85582 provided type and class specified on drawing / parts lists are equivalent (i.e. MIL-P-85582A class 1 = MIL-P-85582B class 1A = MIL-PRF-85582C class C1).
Coating	MIL-W-5044	Cancelled should REFER to	CID A-A-59166 Type I and II CID A-A-59124 Type III and IV	Finish and certify to MIL-W-5044. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.

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Coating	CID A-A-59166	Active	N/A	Finish and certify to CID A-A-59166.
Coating	CID A-A-59124	Cancelled	No replacement	Finish and certify to CID A-A-59124.
Coating	Mil-C-83286	Cancelled should REFER to	MIL-C-85285	Finish and cert to Mil-C-83286.
Coating	MIL-C-85285	Revised	MIL-PRF-85285	Finish and cert to MIL-C-85285 or MIL-PRF-85285.
Coating	MIL-PRF-85285	Active	N/A	Finish and cert to MIL-PRF-85285.
Coating	MIL-C-22750	Revised and Superseded by	MIL-PRF-22750	Supply part and cert to MIL-C-22750 or MIL-PRF-22750 provided the following conditions are satisfied: If type is specified per MIL-C-* supply product and cert to MIL-PRF- rev G type I or II, or MIL-PRF- rev F (if no type is specified) If type is specified per MIL-PRF-*, supply product and cert to MIL-PRF-* provided the type, class and grade are equivalent. See Appendix B for a table of equivalents.
Coating	MIL-PRF-22750	Active	N/A	Supply part and cert to MIL-PRF-22750 provided the following conditions are satisfied: If type is specified per MIL-C-* supply product and cert to MIL-PRF- rev G type I or II, or MIL-PRF- rev F (if no type is specified) If type is specified per MIL-PRF-*, supply product and cert to MIL-PRF-* provided the type, class and grade are equivalent. See Appendix B for a table of equivalents.

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Tin Plating	MIL-T-10727	Cancelled, future acquisitions SHOULD refer to	ASTM B545 for Type I	Finish and cert to MIL-T-10727 or ASTM B545 for Type I, for Type II cert to MIL-T-10727 or submit SVR prior to certing to ASTM B339 for program review of requirements. ASTM B339 is structured very differently than the MIL document and therefore should be reviewed with the supplier to ensure acceptable requirements are met.
			ASTM B339 for Type II	
Tin-Lead (Electrodeposited) Plating	MIL-P-81728	Cancelled should REFER to	SAE AMS-P-81728	Finish and certify to SAE AMS-P-81728
Tin-Lead Plating (Electrodeposited)	SAE AMS-P-81728	Active	N/A	Finish and certify to SAE AMS-P-81728
Nickel (Electroless)	MIL-C-26074	Cancelled but then Reinstated	MIL-DTL-26074 (new name for distribution purposes only)	Provide part and certify to MIL-C-26074. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
Nickel (Electroless)	MIL-DTL-26074	Cancelled should REFER to	AMS-C-26074, except for Naval nuclear propulsion applications which should use MIL-DTL-32119	Provide part and certify to MIL-DTL-26074. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
Nickel (Electroless)	AMS-C-26074	Stabilized, for future procurement refer to	AMS 2404	Provide part and certify to AMS-C-26074. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
Cadmium	QQ-P-416	Cancelled should REFER to	SAE AMS-QQ-P-416	Provide part and certify to QQ-P-416. Salt fog requirements differ in new spec for type I and III. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
Cadmium	SAE AMS-QQ-P-416	Active	N/A	Provide part and certify to SAE AMS-QQ-P-416.
Castings	MIL-STD-2175	Cancelled should REFER to	SAE AMS-STD-2175	Provide part and certify to MIL-STD-2175, AMS-STD-2175 or AMS 2715.
Castings	SAE AMS-STD-2175	Cancelled and Superseded by	AMS 2175	Provide part and certify to AMS-STD-2175 or AMS 2715.

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Castings	SAE AMS 2175	Active	N/A	Provide part and certify to AMS 2715.
Copper	QQ-C-576	Cancelled and Replaced	ASTM B152	Provide part and certify to QQ-C-576 or ASTM B152. Note that QQ-C-576 Temper designation "Light" is equivalent to ASTM B152 Temper "H00" or "Eighth Hard". ASTM defines additional tempers than QQ-C-576.
Copper	ASTM B152	Active	N/A	Provide part and certify to ASTM B152.
Tungsten	SAE AMS-T-21014	Cancelled and Superseded	ASTM B 777	Provide part and cert to SAE AMS-T-21014 or ASTM B 777.
Tungsten	ASTM B 777	Active	N/A	Provide part and cert to ASTM B 777.
Aluminum-Alloy Castings	MIL-A-21180	Cancelled should REFER to	SAE-AMS-A-21180	Provide part and certify to SAE-AMS-A-21180 or to a replacement specification deemed acceptable by the program. For a list of possible replacements, Review SAE-AMS-A-21180.
Aluminum-Alloy Castings	SAE-AMS-A-21180	Active	N/A	Provide part and certify to SAE-AMS-A-21180 or to a replacement specification deemed acceptable by the program. For a list of possible replacements, Review SAE-AMS-A-21180.
Aluminum Heat Treat	Mil-H-6088	Cancelled should REFER to	SAE-AMS-H-6088	Supply part and cert to the appropriate SAE AMS 2770, 2771, or 2772 specs.
Aluminum Heat Treat	SAE-AMS-H-6088	Cancelled and Superseded by	Raw Material AMS2772	
			Conversion of Raw Material AMS 2770	
			Parts AMS2770	
			Castings AMS 2771	
Aluminum Heat Treat	AMS 2772	Active	N/A	Supply part and provide cert to AMS 2772

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Aluminum Heat Treat	AMS 2770	Active	N/A	Supply part and provide cert to AMS 2770
Aluminum Heat Treat	AMS 2771	Active	N/A	Supply part and provide cert to AMS 2771
Aluminum	QQ-A-250	Cancelled; future acquisitions MAY REFER to	AMS-QQ-A-250	Push back to BAE Systems buyer if drawing references QQ-A-250. Submit Supplier Variation Request (SVR) through your procurement representative for drawing change / approval.
Aluminum	QQ-A-225/8	Cancelled should REFER to	AMS-QQ-A-225/8 For Aerospace and unspecified applications, For non-aerospace ASTM B211	Provide part and cert to QQ-A-225/8, or AMS-QQ-A-225/8 or to the specifications deemed as acceptable replacements for AMS-QQ-A-225/8 for the given temper. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT cert to B211.
Aluminum	AMS-QQ-A-225/8	Cancelled and Superseded by	AMS 4115 Temper O, F	Provide part and cert to AMS-QQ-A-225/8 or to the specifications deemed as acceptable replacements for AMS-QQ-A-225/8 for the given temper. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT cert to B211.
			AMS 4116 T4, T42, F	
			AMS 4128 T451	
			AMS 4117 T6, T62, T651, Temper F	
Aluminum	QQ-A-200/8	Cancelled should REFER to	AMS-QQ-A-200/8 Aerospace and non-specified applications. For non-aerospace, ASTM B241 for Type I, ASTM B221 for Type II.	Provide part and cert to QQ-A-200/8 or AMS-QQ-A-200/8 or to the specifications deemed as acceptable replacements for AMS-QQ-A-200/8. See material AMS-QQ-A-200/8 below for direction on these acceptable replacements. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT cert to B221 or B241.
Aluminum	AMS-QQ-A-200/8 (AL 6061)	Stabilized, recommends for future procurement	6061-T6 AMS 4150	Provide part and cert to AMS-QQ-A-200/8 or to the specifications deemed as acceptable replacements for AMS-QQ-A-200/8. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the
			6061-O AMS 4160	

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			6061-T4 AMS 4161	proper sub classification. Do NOT cert to B221 or B241 if the dwg references AMS-QQ-A-200/8.
			6061-T4511 AMS 4172	
			6061-T6511 AMS 4173	
Aluminum	AMS 4115	Active	N/A	Supply part and provide cert to AMS 4115.
Aluminum	AMS 4116	Active	N/A	Supply part and provide cert to AMS 4116.
Aluminum	AMS 4117	Active	N/A	Supply part and provide cert to AMS 4117.
Aluminum	AMS 4128	Active	N/A	Supply part and provide cert to AMS 4128.
Aluminum	AMS 4150	Active	N/A	Supply part and provide cert to AMS 4150.
Aluminum	AMS 4160	Active	N/A	Supply part and provide cert to AMS 4160.
Aluminum	AMS 4161	Active	N/A	Supply part and provide cert to AMS 4161.
Aluminum	AMS 4172	Active	N/A	Supply part and provide cert to AMS 4172.
Aluminum	AMS 4173	Active	N/A	Supply part and provide cert to AMS 4173.
Aluminum	QQ-A-200/9 (6063-T5)	Cancelled future acquisitions SHOULD refer to	AMS-QQ-A-200/9 Aerospace and non-specified applications. For non-aerospace, ASTM B241 for Type I, ASTM B221 for Type II.	Provide part and cert to QQ-A-200/9 or AMS-QQ-A-200/9 or to the specifications deemed as acceptable replacements for AMS-QQ-A-200/9. See material AMS-QQ-A-200/9 below for direction on these acceptable replacements.
Aluminum	AMS-QQ-A-200/9 (6063-T5)	Cancelled and Superseded by	Seamless Pipe and Seamless Extruded Tube ASTM B241	Provide part and cert to AMS-QQ-A-200/9 or ASTM B241 or ASTM B221.

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Process/ Material	Specification called out	Status	Replacement specification	Direction for Suppliers
			Extruded Bar, Rods, Wire Profiles and Tubes ASTM B221	
Aluminum	AMS-QQ-A-250	Reaffirmed and active	N/A	Push back to BAE Systems buyer if drawing references AMS-QQ-A-250. Submit Supplier Variation Request (SVR) through your procurement representative for drawing change / approval.
Aluminum	AMS-QQ-A-250 "Al Alloy 6061 Temper T6"	Equivalent to	AMS-QQ-A-250/ 11	Provide part and cert to QQ-A-250/11 or SAE AMS-QQ-A-250/11 or to the specifications deemed as acceptable replacements for AMS-QQ-A-250/11. See material AMS-QQ-A-250/11 below for direction on these acceptable replacements. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do not make parts to ASTM B209 if drawings references QQ-A-250/11.
Aluminum	QQ-A-250/11 (Al 6061)	Canceled; future acquisitions MAY REFER to	AMS-QQ-A-250/11	Provide part and cert to QQ-A-250/11 or SAE AMS-QQ-A-250/11 or to the specifications deemed as acceptable replacements for AMS-QQ-A-250/11. See material AMS-QQ-A-250/11 below for direction on these acceptable replacements. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do not make parts to ASTM B209 if drawings references QQ-A-250/11.
Aluminum	AMS-QQ-A-250/ 11 (Al 6061)	Cancelled and Superseded	Temper 0 AMS 4025	Provide parts and cert to AMS-QQ-A-250/11 or AMS 4025, AMS 4026, or AMS 4027. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT make parts to ASTM B209 if drawing references AMS-QQ-A-250/11.
			Temper T4, T451 AMS 4026	
			Temper T6, T651 AMS 4027	
			Temper F AMS 4025, AMS 4026, AMS 4027	
			Non-Aerospace ASTM B209	

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Aluminum	QQ-A-250/12 (AI 7075)	Cancelled, MAY refer to	SAE AMS-QQ-A-250/12 Aerospace and non-specified applications. ASTM B209 for non-aerospace.	Provide cert to QQ-A-250/12, AMS-QQ-A-250/12 or the applicable replacement specs for the specified temper AMS 4025, AMS 4044, AMS 4045, or AMS 4078. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT make parts to ASTM B209 if drawing references QQ-A-250/11.
Aluminum	AMS-QQ-A-250/12 (AL 7075)	Stabilized, recommends for future procurement	Temper O AMS 4025	Provide cert to AMS-QQ-A-250/12 or AMS 4025, AMS 4026, or AMS 4027. Certification to sub classifications T651 will be accepted as evidence of proper T6 heat treatment. If sub classification temper designation is defined on drawing - only provide parts to the proper sub classification. Do NOT make parts to ASTM B209 if drawing references AMS-QQ-A-250/11.
			7075-O or if specified -F AMS 4044	
			-T6 Sheet, -T651 Plate AMS 4045	
			-T73 Sheet, -T7351 Plate AMS 4078	
			Non-Aerospace ASTM B209	
Aluminum	QQ-A-250/8 (AI 5052)	Cancelled, may refer to	SAE AMS-QQ-A-250/8 Aerospace and non-specified applications. ASTM B209 for non-aerospace.	Provide part and cert to QQ-A-250/8 or SAE AMS-QQ-A-250/8 or to the specifications deemed as acceptable replacements for AMS-QQ-A-250/8. See material AMS-QQ-A-250/8 below for direction on these acceptable replacements Do not make parts to ASTM B209 if drawings references QQ-A-250/8.
Aluminum	ASTM B209	Active	N/A	Provide part and cert to ASTM B209
Aluminum	AMS-QQ-A-250/8 (AL 5052)	Stabilized, recommends for future procurement	Annealed AMS 4015	Provide part and cert to AMS-QQ-A-250/8 Temper O or AMS 4015
			Strain hardened, 1/4-hard and stabilized AMS 4016	Provide part and cert to AMS-QQ-A-250/8 Temper H32 or AMS 4016
			Strain hardened, 1/2-hard and stabilized AMS 4017	Provide part and cert to AMS-QQ-A-250/8 Temper H34 or AMS 4017
			Non-Aerospace ASTM B209	Do not make parts to ASTM B209 if drawings references AMS-QQ-A-250/8

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Aluminum	QQ-A-250/1 (AI 1100)	Cancelled, future acquisitions MAY refer to	SAE AMS-QQ-A-250/1 Aerospace and non-specified applications. ASTM B209 for non-aerospace.	Provide part and cert to ASTM B209, Alloy 1100 for both Aerospace and non-aerospace applications. ASTM B209, Alloy 1100 was clearly stated as a technical equivalent to AMS-QQ-A-250/1 and will therefore be considered an acceptable replacement cert for aerospace applications in this case.
Aluminum	AMS-QQ-A-250/1	Cancelled and Superseded	ASTM B209	Provide part and cert to ASTM B209, Alloy 1100 for both Aerospace and non-aerospace applications. ASTM B209, Alloy 1100 was clearly stated as a technical equivalent to AMS-QQ-A-250/1 and will therefore be considered an acceptable replacement cert for aerospace applications in this case.
Steel Heat treatment	MIL-H-6875	Cancelled should REFER to	SAE-AMS-H-6875	Finish and cert to MIL-H-6875 or SAE-AMS-H-6875
Steel Heat treatment	SAE-AMS-H-6875	Active	N/A	Finish and cert to SAE-AMS-H-6875.
Steel (wire) CRES	QQ-W-423	Cancelled, future acquisitions SHOULD refer to	ASTM A580 for 302, 304, 305, 310, 316, 410, 420, 430 Cond A Annealed, and 410*, 420* Cond C Heat Treated ASTM A313 for 302, 304, 305, 316 Cond B Spring temper	Provide parts and cert to QQ-W-423. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec. Supplier must send in product with certs that match the callouts, there are mechanical property differences between the specs.
Steel CRES (18-8)	MIL-S-5059	Cancelled should REFER to	For Alloy 301 Annealed AMS 5091, ¼ hard 5517, ½ hard 5518, ¾ hard 5902, full hard 5519 For Alloy 302 Annealed AMS 5516, ¼ hard 5903, ½ hard 5904, ¾ hard 5905, full hard 5906	Finish and cert to MIL-S-5059. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec. Supplier must send in product with certs that match the callouts, there are mechanical property differences between the specs. If AMS document is called out on dwg, do NOT cert to MIL-S-5059 unless all requirements of the AMS document are also met.

ELECTRONIC SYSTEMS

BAE SYSTEMS

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FUNCTION: Engineering

External Supplier Required Actions when BAE Systems drawings call out cancelled, superseded, inactive, and/or stabilization statements

Process/ Material	Specification called out	Status	Replacement specification	Direction for Suppliers
			For Alloy 304 Annealed AMS 5513, ¼ hard 5910, ½ hard 5911, ¾ hard 5912, full hard 5913 For Alloy 316 Annealed AMS 5524, ¼ hard AMS 5907	
Steel (Bar) CRES	QQ-S-764	Cancelled, future acquisitions SHOULD refer to	ASTM A484 ASTM A582	Provide part and cert to QQ-S-764. Submit SVR for program review prior to certing to a replacement spec, which may require the purchaser to specify all requirements.
Brass	QQ-B-626	Cancelled, future acquisitions SHOULD refer to the appropriate portions of	ASTM B36, Brass plate sheet, strip and rolled bar ASTM B121, Leaded Brass plate sheet, strip and rolled bar ASTM B16, Free cutting brass rod, bar ASTM B124, Copper/Alloy forging rod, bar and shapes	Provide parts and cert to QQ-B-626. Submit SVR for program review prior to certing to a replacement spec, which may require the purchaser to specify all requirements.
Generic Example	ASTM A###	Active	ASTM A### / A###M	Provide part and cert to ASTM A### or ASTM A### / A###M given that there is clear statement in the spec indicating that 'M' must be called out in the dwg for SI units to apply, and that inch-pound units will apply in all other cases when it is not specified.
CLOTH, GLASS, FINISHED, FOR RESIN LAMINATES	MIL-C-9084	Cancelled should REFER to	SAE AMS-C-9084	Provide parts and certify to MIL-C-9084, or SAE AMS-C-9084.
CLOTH, GLASS, FINISHED, FOR RESIN LAMINATES	SAE AMS-C-9084	Active	N/A	Provide parts and certify to SAE AMS-C-9084.

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CLOTH, GLASS, FINISHED, FOR RESIN LAMINATES	MIL-P-18177	Cancelled should REFER to	MIL-I-24768 /2 for GEE /3 for GEB	Provide parts and certify to MIL-P-18177 or MIL-I-24768 /2 for GEE, /3 for GEB.
CLOTH, GLASS, FINISHED, FOR RESIN LAMINATES	MIL-I-24768	Active	N/A	Provide parts and certify to MIL-I-24768.
Solder Electronic (96 to 485C)	QQ-S-571	Cancelled future acquisitions will be made to	Soldering Fluxes IPC-J-STD-004	Provide parts and cert to QQ-S-571. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
			Soldering Pastes IPC-J-STD-005	
			Electronic grade solders, solid solders IPC-J-STD-006	
Stainless Steel and Heat Resisting Alloys Plate, Sheet and Strip	QQ-S-766	Cancelled and Superseded	Cold Worked Grades ASTM A 666	Provide parts and cert to QQ-S-766 or the appropriate replacement specification ASTM A666 for Cold Worked Grades, ASTM A693 for Precipitation Hardening Grades or ASTM A 240 for all other grades.
			Precipitation Hardening Grades ASTM A 693	
			ASTM A 240	
Stainless Steel and Heat Resisting Alloys Plate, Sheet and Strip	ASTM A 666	Active	N/A	Provide parts and cert to ASTM A666 for Cold Worked Grades.
Stainless Steel and Heat Resisting Alloys Plate, Sheet and Strip	ASTM A 693	Active	N/A	Provide parts and cert to,ASTM A693 for Precipitation Hardening Grades.

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Process/ Material	Specification called out	Status	Replacement specification	Direction for Suppliers
Stainless Steel and Heat Resisting Alloys Plate, Sheet and Strip	ASTM A 240	Active	N/A	Provide parts and cert to ASTM A240 for all other grades.
Rubber	MIL-R-6130	Cancelled and Superseded	ASTM D6576	Provide parts and cert to MIL-R-6130. If certing to a replacement spec, submit SVR. Engineering to review prior to implementing new spec.
Rubber	ASTM D6576	Active	N/A	Provide parts and cert to ASTM D6576.
PWB Sheet	MIL-S-13949	Cancelled	IPC-4101	Provide parts and certify to IPC-4101.
PWB Sheet	IPC-4101	Active	N/A	Provide parts and certify to IPC-4101.
Fusion Welding	MIL-STD-2219	Canceled	AWS D17.1	Provide parts and certify to MIL-STD-2219 or AWS D17.1

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2. Definitions & Abbreviations

AMS	Aerospace Material Standards
ASTM	American Society for Testing and Materials
COS	Cancelled, Obsolete or Superseded
DCR	Document Change Request
ECO	Engineering Change Order
ES	Electronic Systems
MELT	Mechanical Engineering Leadership Team
MRB	Material Review Board
SAE	Society of Automotive Engineers
SVR	Supplier Variation Request