

**AAR Manual of Standards and Recommended Practices
Specification for Quality Assurance**

M-1003

APPENDIX A

**APPENDIX A
REFERENCE GUIDE**

Shown below is a listing of products and/or services that require M-1003 certification, the AAR *Field Manual* rule and/or circular letter that added the product or service to the M-1003 program, and the number of the standard or specification that requires technical approval in addition to M-1003 certification.

Activity Group A

Activity Code	Activity Description	AAR <i>Field Manual</i> Rule Reference	AAR Circular		Technical Approval Required
			Reference	Date	
A1	Manufacturer of Journal Roller Bearings	36	C-7081/ C-8306	9/10/85– 1/31/95	M-934
A2	Blank				
A3	Manufacturer of Freight Couplers	16, 17, 18	C-7144	10/20/86	M-211 or M-215
A4	Manufacturer of Locomotive Couplers		C-8306	1/31/95	
A5	Manufacturer of Freight Knuckles	16, 17, 18	C-7144	10/20/86	M-211 or M-215
A6	Manufacturer of Locomotive Knuckles		C-8306	1/31/95	
A7	Manufacturer of Freight Yokes	19, 20	C-7144	10/20/86	M-211 or M-215
A8	Manufacturer of Locomotive Yokes		C-8306	1/31/95	
A9	Manufacturer of Freight Side Frames and Bolsters	47, 48	C-7144	10/20/86	M-210
A10	Manufacturer of Locomotive Truck Frames and Bolsters		C-8306	1/31/95	
A11	Manufacturer of Freight Cushioning Devices	59	C-7196	6/10/87	M-921/ M-921G
A12	Blank				
A13	Manufacturer of Wheels	41, 43	C-7149/ C-8306	11/10/86– 1/31/95	M-107/ 208
A14	Blank				
A15	Manufacturer of Axles	41, 43	C-7149/ C-8306	11/10/86– 1/31/95	M-101
A16	Manufacturer of Journal Roller Bearing Adapters		C-10535	6/12/07	M-924
A17	Manufacturer of Freight Brake Valves	4	C-7504	5/21/90	S-462
A18	Manufacturer of Locomotive Brake Valves		C-8306	1/31/95	
A19	Manufacturer of Tank Cars	88	CPC-1260	10/9/13	S-2034/ M-1002
A20	Manufacturer of Freight Cars		C-8233	7/20/94	S-2034
A21	Manufacturer of Locomotives		C-8279	11/21/94	
A22	Manufacturer of Freight Car Major Subassemblies		C-8174	4/29/94	S-2034
A23	Manufacturer of AEI Tags	63	C-9866	6/18/04	
A24	Manufacturer of Draft Sill End Castings		C-7144	10/20/96	M-201

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Activity Group B (Page 1 of 4)

Activity Code	Activity Description	AAR Field Manual Rule Reference	AAR Circular Reference	AAR Circular Date	Technical Approval Required
B1	Manufacturer of Roller Bearing Grease	26	C-7332	11/30/88	M-942
B2	Manufacturer of Freight Truck Springs	50	C-7144	10/20/86	
B3	Manufacturer of Locomotive Truck Springs		C-8331	3/31/95	
B4	Manufacturer of Center Plates	60	C-7149	11/10/86	M-201
B5	Manufacturer of Freight Draft Gear	21	C-7149	11/10/86	M-901
B6	Reconditioner of Freight Draft Gear	21	C-7149	11/10/86	M-901B
B7	Manufacturer of Locomotive Draft Gear		C-8306	1/31/95	
B8	Reconditioner of Locomotive Draft Gear		C-8547	5/10/96	
B9	Manufacturer of Brake Hoses	5	C-7504	5/21/90	M-601/ M-618
B10	Manufacturer of Rubber Goods, Including Gaskets, Packing Cups and Diaphragms	4	C-7504	5/21/90	S-4001
B11	Manufacturers of Repair Kits	4	C-7504	5/21/90	S-4001
B12	Reconditioner of Freight Couplers	16, 17, 18	C-7145	10/20/86	M-212
B13	Reconditioner of Locomotive Couplers		C-8547	5/10/96	
B14	Blank				
B15	Blank				
B16	Reconditioner of Freight Yokes	16, 17, 18	C-7145	10/20/86	M-212
B17	Reconditioner of Locomotive Yokes		C-8547	5/10/96	
B18	Reconditioner of Freight Side Frames and Bolsters	47, 48	C-7833	4/30/92	M-214
B19	Reconditioner of Locomotive Truck Frames and Bolsters		C-8547	5/10/96	
B20	Reconditioner of Freight Cushioning Devices	59	C-7197	6/20/87	M-921C/G
B21	Manufacturer of Freight Car Brake Shoes	12	C-9951	11/3/04	M-926/ M-997
B22	Recondition Freight Car Hand Brakes	13	C-11360	12/21/10	
B23	Reconditioner of Locomotive Journal Roller Bearings		C-8547	5/10/96	H-II
B24	Tank Car Repair Facility	81	CPC-1260	10/9/13	M-1002
B25	Freight Car Repair Facility Engaged in Repairs Involving over 85 Hours Labor and/or Wreck Damage	88	C-8405	9/11/95	
B26	Freight Car Repair Facility Performing <i>Office Manual</i> Rule 88 Repairs/Modifications	88	C-8168	4/11/94	
B27	Facility Performing M-970 Certifications/Recertifications	88	C-8168	4/11/94	M-970
B28	Designated Satellite Shop Repairs	88	C-8168	4/11/94	M-992
B29	Manufacturer of Brake Beams	10	C-7504	5/21/90	S-344
B30	Reconditioner of Brake Beams	10	C-7505	5/21/90	M-300
B31	Freight Air Brake Repair Facility	4	C-7505	5/21/90	S-477
B32	Locomotive Air Brake Repair Facility		C-8547	5/10/96	

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Activity Code	Activity Description	AAR Field Manual Rule Reference	AAR Circular Reference	AAR Circular Date	Technical Approval Required
B33	Wheel and Axle Shop	41, 43, 36	C-7149/ C-7111	11/10/86– 2/11/86	H-II/ G-II
B33-1	Status Code 1 Wheel mounting shop-freight car (complete with wheel press and boring mill)	41, 43	C-7149	11/10/86	G-II
B33-2b	Status Code 2B Approved roller bearing repair shop-freight and Amtrak passenger car	41, 43	C-7149	11/10/86	H-II
B33-2f	Status Code 2F Approved roller bearing repair shop-freight car	41, 43	C-7149	11/10/86	H-II
B33-2g	Cone Face Grinding				
B33-2p	Status Code 2P Approved roller bearing repair shop-Amtrak passenger car	41, 43	C-7149	11/10/86	H-II
B33-2s	Status Code 2S Roller bearing cone stress relieving approval				H-II
B33-3a	Status Code 3A M-967 Axle repair shop-journal, seal wear ring groove and water etch repairs-freight car	36	C-7111	2/11/86	G-II/ M-967
B33-3b	Status Code 3B M-967 Axle repair shop-journal repairs only-freight car	36	C-7111	2/11/86	G-II/ M-967
B33-3c	Status Code 3C M-967 Axle repair shop-dust guard repairs only-freight car	36	C-7111	2/11/86	G-II/ M-967
B33-4	Status Code 4 Wheel and axle shop-locomotive		C-8547	5/10/96	
B33-5	Status Code 5 Wheel and axle lathe(s)-freight car	36	C-7111	2/11/86	G-II
B33-6	Status Code 6 Wheel lathe(s)-freight car	36	C-7111	2/11/86	G-II
B33-6a	Status Code 6A Wheel lathe(s)-Amtrak passenger car	36	C-7111	2/11/86	G-II
B33-7	Status Code 7 Axle lathe(s)-freight car	36	C-7111	2/11/86	G-II
B33-7a	Status Code 7A Axle lathe(s)-Amtrak passenger car	36	C-7111	2/11/86	G-II
B33-8	Status Code 8 Wheel and axle shop-passenger car	36	C-7111	2/11/86	G-II
B33-8a	Status Code 8A Wheel and axle shop-Amtrak passenger car	36	C-7111	2/11/86	G-II
B33-9	Status Code 9 Roller bearing mounting—freight and Amtrak passenger car	36	C-7503	5/21/90	G-II
B33-10	Manufacturer of Freight Wheel Bearing Seals		C-12924	6/6/17	
B34	Blank				
B35	Manufacturer of Box Car Doors		C-11007	5/27/09	S-212, S-213
B36	Manufacturer of Nailable Steel Flooring		C-11007	5/27/09	M-964
B37a	Manufacturer of Locomotive Traction Motors		C-8331	3/31/95	
B37b	Reconditioner of Locomotive Traction Motors		C-8547	5/10/96	
B39a	Manufacturer of Locomotive Turbochargers		C-8331	3/31/95	
B39b	Reconditioner of Locomotive Turbochargers		C-8547	5/10/96	
B41a	Manufacturer of Locomotive Power Assemblies		C-8331	3/31/95	
B41b	Reconditioner of Locomotive Power Assemblies		C-8547	5/10/96	

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Activity Code	Activity Description	AAR Field Manual Rule Reference	AAR Circular Reference	AAR Circular Date	Technical Approval Required
B43a	Manufacturer of Locomotive Cylinder Heads		C-8331	3/31/95	
B43b	Reconditioner of Locomotive Cylinder Heads		C-8547	5/10/96	
B45a	Manufacturer of Locomotive Fuel Injectors		C-8331	3/31/95	
B45b	Reconditioner of Locomotive Fuel Injectors		C-8547	5/10/96	
B47a	Manufacturer of Locomotive Governors		C-8331	3/31/95	
B47b	Reconditioner of Locomotive Governors		C-8547	5/10/96	
B48a	Manufacturer of Locomotive Engine Protectors		C-10529	5/25/07	
B49a	Manufacturer of Locomotive Fuel Pumps		C-8331	3/31/95	
B49b	Reconditioner of Locomotive Fuel Pumps		C-8547	5/10/96	
B51a	Manufacturer of Locomotive Water Pumps		C-8331	3/31/95	
B51b	Reconditioner of Locomotive Water Pumps		C-8547	5/10/96	
B53a	Manufacturer of Locomotive Oil Pumps		C-8331	3/31/95	
B53b	Reconditioner of Locomotive Oil Pumps		C-8547	5/10/96	
B55a	Manufacturer of Locomotive Radiators		C-8331	3/31/95	
B55b	Reconditioner of Locomotive Radiators		C-8547	5/10/96	
B56a	Manufacturer of Locomotive Grid Resistors		C-10529	5/25/07	
B57a	Manufacturer of Locomotive Main Generators/Alternators		C-8331	3/31/95	
B57b	Reconditioner of Locomotive Main Generators/Alternators		C-8547	5/10/96	
B58a	Manufacturer of Locomotive Electronic Handbrakes		C-10529	5/25/07	
B59a	Manufacturer of Locomotive Air Compressors		C-8331	3/31/95	
B59b	Reconditioner of Locomotive Air Compressors		C-8547	5/10/96	
B61a	Manufacturer of Locomotive Engines		C-8331	3/31/95	
B61b	Reconditioner of Locomotive Engines		C-8547	5/10/96	
B63a	Manufacturer of Locomotive Cooling/Radiator Fans		C-9154	6/6/00	
B63b	Reconditioner of Locomotive Cooling/Radiator Fans		C-9154	6/6/00	
B64a	Manufacturer of Locomotive Starter Motors		C-10529	5/25/07	
B65a	Manufacturer of Locomotive Grid Blower Motors		C-9154	6/6/00	
B65b	Reconditioner of Locomotive Grid Blower Motors		C-9154	6/6/00	
B67a	Manufacturer of Locomotive Inertial/Equipment Blower Motors		C-9154	6/6/00	
B67b	Reconditioner of Locomotive Inertial/Equipment Blower Motors		C-9154	6/6/00	
B69	Locomotive Traction Motor/Wheel Combo Assembly		C-9154	6/6/00	
B70	Reconditioner of Slack Adjusters	4	C-9260	12/13/00	S-423
B71	Blank				
B72	Blank				
B73	Freight Car Assemblers		C-8233	7/20/94	S-2034
B74	Manufacturer of Rail		C-8833	12/17/97	

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Activity Code	Activity Description	AAR Field Manual Rule Reference	AAR Circular Reference	AAR Circular Date	Technical Approval Required
B75	Manufacturer of Switches		C-8833	12/17/97	
B76	Manufacturer of Frogs		C-8833	12/17/97	
B77	Manufacturer of Railway Ties		C-8833	12/17/97	
B78	Assemble of Tank Cars	81	CPC-1260	10/9/2013	S-2034/ M-1002
B79	Alteration of Tank Cars	81	CPC-1260	10/9/13	M-1002
B80	Conversion of Tank Cars	81	CPC-1260	10/9/13	M-1002
B81	Qualification of Tank Cars	81	CPC-1260	10/9/13	M-1002
B82	Manufacturer of Tank Car Tanks, including support structure, that are moved to and from the facility without trucks (running gear)	81	CPC-1260	10/9/13	M-1002
B83	Repair Tank Car Tanks that are moved to and from the facility without trucks (running gear)	81	CPC-1260	10/9/13	M-1002
B84	Qualification of Tank Car Tanks that are moved to and from the facility without trucks (running gear)	81	CPC-1260	10/9/13	M-1002
B85	Manufacturer of Pressure-Retaining Tank Components that are moved to and from the facility without trucks (running gear)	81	CPC-1260	10/9/13	M-1002
B86	Repair of Pressure-Retaining Tank Components that are moved to and from the facility without trucks (running gear)	81	CPC-1260	10/9/13	M-1002
B87	Blank				

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Activity Group C

Activity Code	Activity Description	AAR Field Manual Rule Reference	AAR Circular Reference	AAR Circular Date	Technical Approval Required
C1	Brake Hose Assembler	5	C-7505	5/21/90	
C2	Blank				
C3	Blank				
C4	Manufacturer of Tank Car Service Equipment	81	CPC-1260	10/9/13	M-1002
C5	Recondition/Repair and Qualification of Tank Car Service Equipment	81	CPC-1260	10/9/13	M-1002
C6	Removal and Replacement of Tank Car Service Equipment (including changing of gaskets)	81	CPC-1260	10/9/13	M-1002
C7	Removal of Interior Linings and Coatings in Tank Cars	81	CPC-1260	10/9/13	M-1002
C8	Installation of Interior Linings and Coatings in Tank Cars	81	CPC-1260	10/9/13	M-1002
C9	Qualification of Interior Linings and Coatings in Tank Cars	81	CPC-1260	10/9/13	M-1002
C10	Repair of Interior Linings and Coatings in Tank Cars	81	CPC-1260	10/9/13	M-1002
C11	Inspection of Interior Linings and Coatings in Tank Cars	81	CPC-1260	10/9/13	M-1002

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