

<u>List of Standards Applicable in Airworthiness Certification- RCMA(AA), Pune</u>					
Sl.No.	Standard Number	Standard Title	Applicable (Air System/System/LRU/Material/ Component)	Domain	Tailoring of Standard
1.	JSG 0102:1984	Environmental Testing of Armament Stores	General	Armament	Tailoring is provisioned and guidelines given in the standard
2.	MIL-STD-810	Environmental Engineering Consideration and Laboratory Tests	General	Armament	Tailoring is provisioned and guidelines given in the standard
3.	MIL-STD-8591	Airborne Store, Suspension Equipment and Aircraft Store Interface (Carriage Phase)	General	Armament	Tailoring is provisioned and guidelines given in the standard
4.	MIL-STD-461	Requirements for The Control of Electromagnetic Interference Characteristics of Subsystems and Equipment	General	Armament	Tailoring is provisioned and guidelines given in the standard
5.	MIL-DTL-23659	Military Specification for Initiators, Electric, General Design Specification	General	Armament (Electric Initiator)	Tailoring is provisioned and guidelines given in the standard
6.	MIL-HDBK-1670	Environmental Criteria and Guidelines for Air Launched Weapons	General	Armament	Tailoring is provisioned and guidelines given in the standard
7.	STANAG 4147	Chemical Compatibility of Ammunition Components with Explosives and Propellants(Non Nuclear Applications)	General	Armament	No tailoring
8.	MIL-STD-1289	Airborne Stores Ground Fit and Compatibility, Requirement	General	Armament	Tailoring is provisioned and guidelines given in the standard
9.	AOP-7-Edition 2	Manual of Data Requirements and Tests for The Qualification of Explosive Materials for Military Use	General	Armament	Guideline
10.	JSS 0256	Environmental Test Methods for Missile System	General	Armament	Tailoring is provisioned and guidelines given in the standard
11.	MIL-A-8866	Airplane Strength and Rigidity ReliabilityRequirements, Repeated Loads, Fatigue and Damage Tolerance	General	Armament	Tailoring is provisioned and guidelines given in the standard
12.	JSS 55555	Environmental Test Methods for Electronic and Electrical Equipment	General	Armament	Tailoring is provisioned and guidelines given in the standard
13.	STANAG 4506-2000	Explosive Materials, Physical/Mechanical Properties, Uniaxial Tensile Test	General	Armament	Tailoring is provisioned and guidelines given in the standard
14.	STANAG 4363	Initiation System: Testing for The Assessment of Detonating Explosive Components	General	Armament	No tailoring
15.	STANAG 4170	Principles and Methodology for the Qualification of Explosive Materials for Military Use	General	Armament	No tailoring
16.	AOP-15	Guidance on The Assessment of The Safety and Suitability for Service of Non-Nuclear Munitions for NATO Armed Forces	General	Armament	Guideline
17.	AOP-39	Guidance of the Development, Assessment and testing of insensitive munitions (MURAT)	General	Armament	Guideline
18.	MIL-STD-331	Fuzes, Ignition safety Devices and other Related Components, Environmental and Performance Tests	Fuze	Armament	Tailoring is provisioned and guidelines given in the standard
19.	MIL-STD-1316	Fuze Design, Safety Criteria	Fuze	Armament	Tailoring is provisioned and guidelines given in the standard
20.	MIL-STD-2105	Hazard Assessment Tests for Non-Nuclear Munitions	Bombs, Missiles Sub System	Armament/ALM	Tailoring is provisioned and guidelines given in the standard
21.	MIL-C-81590	Cockpit Canopy System, Fixed wing single and Multi Place, Fighter, Attack, and Trainer Aircraft, General Specification for	Canopy System	Armament (Escape eid System)	Tailoring is provisioned and guidelines given in the standard
22.	MIL-C-85003B(AS)	General Specification for Chaff Cartridge (Type RR-129/ALE)	Chaff Cartridge	Armament (Counter Measure)	Tailoring is provisioned and guidelines given in the standard
23.	MIL-D-21625	Design and Evaluation of Cartridges for Cartridge Actuated Devices	Cartridges	Armament (Pyro Devices)	Tailoring is provisioned and guidelines given in the standard
24.	MIL-F-63107C(AR)	Military Specification Flare, Aircraft Countermeasure : M-206	Flare	Armament (Counter Measure)	Tailoring is provisioned and guidelines given in the standard
25.	MIL-SPEC-MS3314	LUG, Suspension, 1000 Pound class , Airborne Equipment	Lugs	Armament	Tailoring is provisioned and guidelines given in the standard
26.	MIL-HDBK-1512	Electro-Explosive, Subsystems, Electrically Initiated, Design Requirements and Test Methods	Igniters	Armament	Tailoring is provisioned and guidelines given in the standard

List of Standards Applicable in Airworthiness Certification – RCMA Chd

Sl. No	Standard Number	Standard Title	Applicable (Air system/ system/ LRU/material/ component)	Domain	Tailoring of standard
1.	MIL-STD-461G	Aircraft EMI/EMC Characteristics	System/LRUs	APS	The standard is pre-Tailored. Additional tailoring not allowed
2.	MIL-STD-464	EM Environmental Effects, Requirements for Systems	Air System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
3.	MIL-STD-704F	Aircraft Electric Power Characteristics	Air System/System/LRUs	APS	Tailoring is provisioned and guidelines given in the standard
4.	MIL-STD-810H	Aircraft Environmental Requirements	System/LRUs		Tailoring is provisioned and guidelines given in the standard
5.	MIL-STD-882	Systems Safety	Air System/System/LRU	Platform / APS	The standard is pre-Tailored. Additional tailoring not allowed
6.	MIL-STD-1289	Airborne Stores Ground Fit & Compatibility Requirements	Air System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
7.	MIL-STD-1290	Light fixed & Rotary winged Aircraft Crash Resistance	Air System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
8.	MIL-STD-1629	Procedure for performing Failure mode effects & criticality analysis	Air System/System/LRU	Platform / APS	The standard is pre-Tailored. Additional tailoring not allowed
9.	MIL-STD-3009	LIGHTING, AIRCRAFT, NIGHT VISION IMAGING SYSTEM (NVIS) COMPATIBLE	System/LRU	Platform / APS	The standard is pre-Tailored. Additional tailoring not allowed
10.	MIL-STD-8591	General design for Airborne Store, Suspension Equipment & Aircraft Store Interface (carriage phase)	Air System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
11.	MIL-HDBK-217	Reliability Prediction of Electronic Equipment	System/LRU	Platform / APS	The standard is pre-Tailored. Additional tailoring not allowed
12.	MIL-HDBK-516	Airworthiness Certificate Criteria	Air System/System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
13.	RTCA DO-160G	Environmental Conditions & Test Procedures for Airborne Equipment	System/LRUs	APS	The standard is pre-Tailored. Additional tailoring not allowed
14.	SAE AS620	Hose assemblies, Convuluted PTFE Metallic reinforced, High temp, Medium Pressure, Aircraft	Component	Mechanical systems	The standard is pre-Tailored. Additional tailoring not allowed
15.	DEF STAN 970	Certification Specifications for Airworthiness	Air System	Platform	The standard is pre-Tailored. Additional tailoring not allowed
16.	JSS 3110	Qualification of Ball Bearings	Component	Mechanical systems	The standard is pre-Tailored. Additional tailoring not allowed
17.	JSS 55555	Environmental Test Methods for Electronic & Electrical Equipment	System/LRUs	APS	The standard is pre-Tailored. Additional tailoring not allowed
18.	MMPDS 11	Metallic Materials Properties, Development & Standard	Material	Materials	The standard is pre-Tailored. Additional tailoring not allowed
19.	FAR-29	Airworthiness Standard Transport Category Rotorcraft	Air System/System/LRUs	Platform	The standard is pre-Tailored. Additional tailoring not allowed
20.	TU-38-0055-1166-87	Rubber Stocks	Material	Materials	The standard is pre-Tailored. Additional tailoring not allowed

List of Standards applicable in airworthiness certification -RCMA(F&F)

Metallic Materials					
SI No	Standard Number	Standard Title	Applicable (Air system/ system/ LRU/ material /component)	Domain	Tailoring of standard
Testing Standards					
1.	ASTM E 10	Standard test method for Brinell hardness of Metallic materials (HBW)	Material/Component	Metallic Materials	The standard is Pre-Tailored.
2.	ASTM E 18	Standard test method for Rockwell hardness of Metallic materials (HRC)	Material/Component	Metallic Materials	
3.	ASTM E 92	Standard test method for Vickers hardness of	Material/Component	Metallic Materials	
4.	ASTM E 21	Elevated temperature tension tests of metallic	Material/Component	Metallic Materials	
5.	ASTM E 23	Standard Test Methods for Notched Bar Impact Testing of Metallic	Material/Component	Metallic Materials	
6.	ASTM E 112	Standard test method for determining average grain size	Material/Component	Metallic Materials	
7.	ASTM E 381	Standard Method of Macroetch Testing Steel Bars, Billets, Blooms, Forgings	Material/Component	Metallic Materials	
8.	ASTM E 606	Standard Test Method for Strain-Controlled Fatigue Testing	Material/Component	Metallic Materials	
9.	ASTM E 466	Standard Practice for Conducting Force Controlled Constant Fatigue Tests of Metallic Materials	Material/Component	Metallic Materials	
10.	ASTM E 340	Grain flow - Standard practice for	Material/Component	Metallic Materials	
11.	ASTM E 139	Stress rupture and Creep test of Metallic	Material/Component	Metallic Materials	The standard is Pre-Tailored.
12.	ASTM E 3/E 407	Micro structure - Standard practice for	Material/Component	Metallic Materials	
13.	ASTM E 8/E8M	Standard Test Methods for Tension Testing of	Material/Component	Metallic Materials	
14.	ASTM E 292	Standard test method for conducting time for	Material/Component	Metallic Materials	
15.	ASTM E 1417	Liquid Penetrant Testing	Material/Component	Metallic Materials	
16.	ASTM E 1444	Magnetic Particle Testing	Material/Component	Metallic Materials	
17.	ASTM E 399	Fracture toughness of metallic materials	Material/Component	Metallic Materials	
18.	ASTM E 446	Standard Reference Radiographs for steel	Material/Component	Metallic Materials	
19.	ASTM E 1742	Radiographic Examination	Material/Component	Metallic Materials	
20.	ASTM E 155	Standard Reference Radiographs for	Material/Component	Metallic Materials	
21.	ASTM B 212	Standard Testing Method for Apparent density	Material/Component	Metallic Materials	
22.	ASTM B 527	Standard Testing Method for Tap density of	Material/Component	Metallic Materials	
23.	ASTM B 213	Standard Testing Method for Flow rate of	Material/Component	Metallic Materials	
24.	ASTM E 1417	Standard Practice for Liquid Penetrant Testing	Material/Component	Metallic Materials	
25.	ASTM E 1444	Standard Practice for Magnetic Particle Testing	Material/Component	Metallic Materials	
26.	ASTM E 1004	Standard Test Method for Electrical	Material/Component	Metallic Materials	
Acceptance Standards					
27.	AMS 2154	Ultrasonic inspection	Material/Component	Metallic Materials	The standard is Pre-Tailored. Additional tailoring not allowed
28.	AMS 2630	Ultrasonic Inspection product over0.5 inch	Material/Component	Metallic Materials	
29.	AMS 2631	Ultrasonic Inspection Titanium and Titanium	Material/Component	Metallic Materials	
30.	MIL STD 1907	Acceptance of Penetrant and Magnetic	Material/Component	Metallic Materials	
31.	AMS 2175	Acceptance of Radiography test	Material/Component	Metallic Materials	
Material Specifications					
32.	AMS 4132	Aluminium alloy forging stock	Material/Component	Metallic Materials	The standard is Pre-Tailored.
33.	AMS 4133	Aluminium alloy forging stock	Material/Component	Metallic Materials	
34.	AIR 9051	Aluminium alloy forging stock	Material/Component	Metallic Materials	
35.	BS L 77	Forging stock and forging of Aluminium-	Material/Component	Metallic Materials	
36.	BS L 111	Bars and Extruded sections of	Material/Component	Metallic Materials	
37.	AMS 4143	Aluminium alloy forgings and rolled or forged	Material/Component	Metallic Materials	
38.	AK4-1CH	Aluminium alloy for bar stock and forgings	Material/Component	Metallic Materials	
39.	AK4-1	Aluminium alloy for bar stock and forgings	Material/Component	Metallic Materials	
40.	BS L 168	Bars and Extruded sections of Aluminium-	Material/Component	Metallic Materials	
41.	AK8L	Aluminium alloy for Castings	Material/Component	Metallic Materials	
42.	AK7ch	Aluminium alloy for Castings	Material/Component	Metallic Materials	The standard is Pre-Tailored.
43.	AS7G06	Aluminium alloy for Castings	Material/Component	Metallic Materials	
44.	BS L 99	Aluminium alloy for Castings	Material/Component	Metallic Materials	
45.	BS L 169	Ingots and Castings of Aluminium-Silicon-	Material/Component	Metallic Materials	
46.	AMS 4215	Aluminium alloy for Castings	Material/Component	Metallic Materials	
47.	MSRR 8041	Aluminium alloy for Ingots and Castings	Material/Component	Metallic Materials	
48.	AMS 4260	Aluminium alloy for Investment Castings	Material/Component	Metallic Materials	
49.	AMS-QQ-A-367	Aluminium alloy for Bars and forgings	Material/Component	Metallic Materials	
50.	MSRR 6002	Steel general bars and Forgings	Material/Component	Metallic Materials	
51.	MSRR 6011	Chromium-Molybdenum-Vanadium Steel bars	Material/Component	Metallic Materials	
52.	AMS 6415	Steel bars and forgings	Material/Component	Metallic Materials	The standard is Pre-Tailored.
53.	BS S 99	Nickel-Chromium-Molybdenum Steel alloy	Material/Component	Metallic Materials	
54.	BS S 98	Nickel-Chromium-Molybdenum Steel alloy	Material/Component	Metallic Materials	
55.	BS S 154	Nickel-Chromium-Molybdenum Steel alloy	Material/Component	Metallic Materials	
56.	MIL S 46850/MDN 250	Maraging steel bar for forgings	Material/Component	Metallic Materials	
57.	MSRR 6503	Steel general bars and Forgings	Material/Component	Metallic Materials	
58.	MSRR 6509	Steel general bars and Forgings	Material/Component	Metallic Materials	
59.	ZFNL 9201	Steel alloy for forgings	Material/Component	Metallic Materials	
60.	AIR 9160	Corrosion resistant steel bars and forgings	Material/Component	Metallic Materials	
61.	AMS 6509	Steel bars and forgings	Material/Component	Metallic Materials	
62.	12KH13	Steel alloy for forgings	Material/Component	Metallic Materials	The standard is Pre-Tailored.
63.	38KH2MYUA	Steel alloy for forgings	Material/Component	Metallic Materials	
64.	14KH17N21	Steel alloy for forgings	Material/Component	Metallic Materials	
65.	16KHGTL	Steel alloy for forgings	Material/Component	Metallic Materials	
66.	12KH18N10T	Steel alloy for forgings	Material/Component	Metallic Materials	
67.	18KH2N4VA	Steel alloy for forgings	Material/Component	Metallic Materials	
68.	AMS 5622	Corrosion resistant steel forgings and bar stock	Material/Component	Metallic Materials	
69.	AMS 5659	Corrosion resistant steel forgings and bar stock	Material/Component	Metallic Materials	
70.	AMS S 6758	Steel, Chrome-Molybdenum (4130) Bars and	Material/Component	Metallic Materials	
71.	AMS 5719	Corrosion resistant steel bars and forgings	Material/Component	Metallic Materials	
72.	AMS 5645	Corrosion and heat resistant stainless steel	Material/Component	Metallic Materials	The standard is Pre-Tailored.
73.	AMS 5646	Corrosion and heat resistant stainless steel	Material/Component	Metallic Materials	
74.	30KHGSA	Steel bars and forgings	Material/Component	Metallic Materials	
75.	GTM E16NCD13	Case Hardening Low alloy steel	Material/Component	Metallic Materials	
76.	35KHGSL	Steel alloy for Castings	Material/Component	Metallic Materials	
77.	VNL 3	Steel alloy for Castings	Material/Component	Metallic Materials	
78.	GTM-SU-718/NR/R	Corrosion and Heat resistant Nickel base alloy	Material/Component	Metallic Materials	
79.	AMS 5886	Corrosion and Heat resistant Nickel base alloy	Material/Component	Metallic Materials	
80.	GTM SU 263	Corrosion and Heat resistant Nickel base alloy	Material/Component	Metallic Materials	
81.	AMS 5666	Corrosion and heat resistant nickel alloy for	Material/Component	Metallic Materials	
82.	AMS 5662	Corrosion and heat resistant nickel alloy for	Material/Component	Metallic Materials	The standard is Pre-Tailored.
83.	MSRR 7004	Heat resistant Nickel alloy for billets, bras,	Material/Component	Metallic Materials	
84.	MSRR 7011	nickel alloy for Bar, forgings and rings	Material/Component	Metallic Materials	
85.	MSRR 7202	nickel alloy for Bar, forgings and rings	Material/Component	Metallic Materials	
86.	AMS 5706	Corrosion and heat resistant nickel alloy for	Material/Component	Metallic Materials	
87.	AMS 5707	Corrosion and heat resistant nickel alloy for	Material/Component	Metallic Materials	
88.	CM 247LC	Nickel alloy for Castings	Material/Component	Metallic Materials	
89.	AMS 5383	Corrosion and heat resistant nickel alloy for	Material/Component	Metallic Materials	
90.	MSRR 7040	Nickel alloy remelting stock and precision	Material/Component	Metallic Materials	
91.	GTM TI 64 DM/TM	Titanium alloy for forgings	Material/Component	Metallic Materials	
92.	AMS 4928	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	The standard is Pre-Tailored. Additional tailoring not allowed
93.	TITAN 31A	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	
94.	BT6/VT6	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	
95.	BT20/VT20	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	
96.	GTM Ti 685	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	
97.	TITAN 26A	Titanium alloy for bar stock and forgings	Material/Component	Metallic Materials	
98.	AMS 4972	Titanium alloy bars and rings	Material/Component	Metallic Materials	
99.	AMS 4973	Titanium alloy bars and rings	Material/Component	Metallic Materials	
100.	TITAN 22A	Titanium alloy bars, rings and forgings	Material/Component	Metallic Materials	
101.	VT3-1	Titanium alloy for bars and forgings	Material/Component	Metallic Materials	
102.	OT4	Titanium alloy for bars and forgings	Material/Component	Metallic Materials	The standard is Pre-Tailored. Additional tailoring not allowed
103.	RZ5	Magnesium alloy for castings	Material/Component	Metallic Materials	
104.	AMS 4418	Magnesium alloy for castings	Material/Component	Metallic Materials	
105.	3.6104.9	Magnesium alloy for castings	Material/Component	Metallic Materials	
106.	ASTM F3318	Standard for Additive Manufacturing – Finished Part Properties – Specification for Alsi10Mg with powder bed fusion – Laser Beam	Material/Component	Metallic Materials	
107.	ASTM F3055	Standard for Additive Manufacturing Nickel Alloy (UNS N07718) with Powder Bed Fusion	Material/Component	Metallic Materials	
108.	ASTM F3056	Standard for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion	Material/Component	Metallic Materials	
FOL & Non-Metallic Materials					
100	MIL-PRF-5606J	Performance Specification Hydraulic fluid , Petroleum base; Aircraft, missile and ordnance	Material	FOL	The standard is Pre-
101	IS 1571:2018	Aviation Turbine Fuel ATF, Jet A-1, K-50	Material	FOL	
102	MIL- PRF-23377K	Primer	Material	Non-metallic	
103	MIL- PRF-85285E(Type I & IV)	Top coat	Material	Non-metallic	
104	BS 2X 33	Aircraft Primer	Material	Non-metallic	
105	BS 2X 34	Aircraft Topcoat PU Paint	Material	Non-metallic	
106	NFL. 17-101A-21A7	Nitrile rubber	Material	Non-metallic	
107	DTD 5509 Gr A	Nitrile rubber	Material	Non-metallic	
108	DTD 5509 Gr B	Nitrile rubber	Material	Non-metallic	
109	DTD 5509 Gr C	Nitrile rubber	Material	Non-metallic	
110	DTD 5509 Gr D	Nitrile rubber	Material	Non-metallic	
111	HM 8889	Nitrile base rubber compound	Material	Non-metallic	
112	HM 4888	Nitrile base rubber compound	Material	Non-metallic	
113	HM 4924	Silicone base rubber compound	Material	Non-metallic	
114	NFL-17-13A-31B3	Neoprene base rubber compound	Material	Non-metallic	

List of Standards applicable in Airworthiness Certification – RCMA(Engines)

Sl. No.	Standard Number	Standard Title	Applicable (Air system/ system / LRU / material / component)	Domain	Tailoring of standard
1	MIL – G – 6641B	Gear box	Gear Box - AMAGB	Aero Engine	No Tailoring
2	MIL – 7470	PTO Shaft	PTO Shaft	Aero Engine	No Tailoring
3	IS 1571-2008	Aviation Turbine Fuels, Kerosene type Jet A-1	Aviation Fuel	Aero Engine	No Tailoring
4	MIL STD-461-G	Requirements for the control of electromagnetic interference characteristics of subsystems & equipment	Electro control appliances / valves	Aero Engine	No Tailoring
5	MIL STD-704-F	Aircraft electric power characteristics	Electro control appliances / valves	Aero Engine	No Tailoring
6	MIL STD-810-H	Environmental Engineering considerations and laboratories tests	Environmental Testing	Aero Engine	No Tailoring
7	MIL STD-5007-E	Mil Spec of Engines, Aircraft, Turbojet & Turbofan - General and approved spec for Navy only	Aero Engine Specification	Aero Engine	No Tailoring
8	MIL STD-8593-A	Mil Spec of Engines, Aircraft, Turbo shaft & Turboprop - General spec and use by all dept & Agencies of Dept of Defence	Aero Engine Specification	Aero Engine	No Tailoring
9	MIL-I-6868	Inspection process, magnetic particle	NDT	Aero Engine	No Tailoring
10	MIL-L-23699E	Mil Spec of Lubrication oil, Aircraft Turbine engine, Synthetic base	Lubrication Oil	Aero Engine	No Tailoring
11	MIL-P-116J	Preservation Methods	Storage	Aero Engine	No Tailoring
12	MIL-S-5002	Surface treatments and Inorganic coatings for metal surfaces of weapons system	Coatings	Aero Engine	No Tailoring
13	MIL-S-7742D	Screw threads, standard, optimum selected series	Fasteners	Aero Engine	No Tailoring
14	MIL-STD-100G	Engineering drawings	Engineering drawings	Aero Engine	No Tailoring
15	MIL-STD-453C	Radiography inspection requirements for metallic & non-metallic materials	NDT	Aero Engine	No Tailoring
16	MIL-STD-1629A	Procedures for performing a failure mode, effects and criticality analysis	FMECA	Aero Engine	No Tailoring
17	MIL-T-5624P	Turbine fuel aviation grades JP-4, JP-5 and JP-8 ST	Aviation Fuel	Aero Engine	No Tailoring
18	Castrol Aero – 1010 NATO – 0 – 133	Inhibition Oil	Inhibition Oil	Aero Engine	No Tailoring
19	MIL – C – 6021	Casting	Casting	Aero Engine	No Tailoring
20	MIL – 2635	Radiography	NDT	Aero Engine	No Tailoring
21	ASTM – E- 466	Fatigue Test	Fatigue Test	Aero Engine	No Tailoring
22	MIL-STD-210A	Hot and Cold Atmospheres	Environmental Test	Aero Engine	No Tailoring
23	AGMA-12	Gear Specification	Gear Box	Aero Engine	No Tailoring
24	MIL-STD-461	Electromagnetic Interference & Compatibility characteristics requirements for equipment	Calibration	Aero Engine	No Tailoring
25	MIL-STD-1762	Bearings & Bushings	Bearings	Aero Engine	No Tailoring

List of Standards Applicable in Airworthiness Certification- RCMA(Knp)

Sl. No	Standard Number	Standard Title	Applicable Air system/ system/LRU/material/ component	Domain	Tailoring of standard
1	MIL-STD-810G	Environmental Test Methods	Airborne electrical and electronic equipment	Indigenization of LRUs/ Systems and their Integration on Transport category of Aircraft	Tailoring is provisioned and guidelines given in the standard
2	MIL-STD-461G	EMI/EMC Test Methods	Airborne electrical and electronic equipment		The standard is Pre-Tailored. Additional tailoring not allowed
3	MIL-STD-704F	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment		No Tailoring
4	MIL-HDBK-704-8	Test Procedures for the Compliance of Equipment to Aircraft Electrical Power Characteristics 28 VDC	Airborne electrical and electronic equipment		No Tailoring
5	JSS-55555	Environmental Test methods for Telecommunication and electronic equipment.	Airborne electrical and electronic equipment		
6	MIL-STD-462D	Test Method standard for measurement of electromagnetic interference characteristics	Airborne electrical and electronic equipment		No Tailoring
7	MIL-STD-464	Electromagnetic Environmental Effects Requirements for system.	Airborne electrical and electronic equipment		No Tailoring
8	MIL-B-5087	Bonding, Electrical and Lightning Protection for Aerospace system.	Airborne electrical and electronic equipment		No Tailoring
9	MIL-STD-1757	Lightning Qualification Test Techniques For Aerospace vehicles and Hardware	Aircrafts and Airborne electrical and electronic equipment		No Tailoring
10	MIL-C-22284 Mil-E-22285	Aircraft fire extinguishing system	Aircraft engine fire extinguishing system	Fire extinguishing system	
11	MIL-E-18927E(AS) MIL-B-81365 MIL-B-81592A(AS)	Aircraft environmental control & Bleed air system	ECS	ECS LRUs& Bleed air system	
12	MIL-HDBK-1599A	Aircraft mechanical system & subsystem	FCS	Push-Pull Rod	
13	MIL-F-18372 MIL-F-9490D	Flight control system: Design, installation & test	FCS	Push-Pull Rod&Flexible shaft	
14	MIL-DTL-83420R	Wire rope	FCS	Flexible shaft	
15	MIL-F-8615	Fuel system component, General specification	Fuel system	Fuel system component	
16	MIL-T-5041 TSO-C-62e	Tires, pneumatic, aircraft	Tire	Tire	
17	MIL-I-5014	Inner tube	tube	tube	
18	MIL-W-5013 MIL-B-8584C MIL-B-8075D MIL-C-7979B	Wheel & brake system, Antiskid and control system	Wheel & brake system, Antiskid and control system	Wheel & brake system, Antiskid and control system	
19	MIL-PRF-25478	Cooler, lubricating oil aircraft	Engine oil cooler	Engine oil cooler	
20	MIL-PRF-5636E	Oil cooler temperature & Pressure regulator	Engine oil cooler	Engine oil cooler	

List of Standards Applicable in Airworthiness Certification at RCMA Korwa

Sl.No	Standard Number	Standard Title	Applicable (Air system/ system/ LRU/material/ component)	Domain	Tailoring of standard
1	MIL-STD-704	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment	RCMA(KW)	Tailoring is provisioned and guidelines given in the standard
2	RTCA DO-178C	Software Considerations in Airborne Systems and equipment certification	Airborne software	RCMA(KW)	The standard is Pre-Tailored. Additional tailoring not allowed
3	AFPD 63-12	Assurance of Operational Safety, Suitability, and Effectiveness	<i>Assurance of</i> Operational Safety, Suitability, and Effectiveness	RCMA(KW)	No Tailoring
4	MIL-STD-2164	Environment Stress Screening Process	Environment Stress Screening Process for electronic equipment	RCMA(KW)	
5	MIL-STD-1425	safety design requirements of laser systems	safety design requirements of laser systems	RCMA(KW)	
6	ANSI Z 136.1	Safe Use of Lasers, for the safety design requirements of laser systems	Safe Use of Lasers, for the safety design requirements of laser systems	RCMA(KW)	
7	RCC 316-98	Laser Range Safety	Laser Range Safety	RCMA(KW)	
8	MIL-STD-498	Requirement software Development and documentation	Requirement software Development and documentation	RCMA(KW)	Data Items Descriptions (DID) are meant to be tailored to each type of software
9	MIL-STD-810	Environmental design and test direction	Environmental design and test direction	RCMA(KW)	how to implement the environmental tailoring process
10	MIL-STD-1425	Safety Design Requirements for Military Lasers and Associated Support Equipment	Safety Design Requirements for Military Lasers and Associated Support Equipment	RCMA(KW)	
11	MIL-STD-1787	Aircraft Display Symbology	Aircraft Display Symbology	RCMA(KW)	
12	MIL-STD-3009	Lighting, Aircraft, Night Vision Imaging System (NVIS) Compatible	Lighting, Aircraft, Night Vision Imaging System (NVIS) Compatible	RCMA(KW)	
13	MIL-HDBK-87244	Avionics/Electronics Integrity	Avionics/Electronics Integrity	RCMA(KW)	
14	MIL-HDBK-87213	Electronically/Optically Generated Airborne Displays	Electronically/Optically Generated Airborne Displays	RCMA(KW)	
15	MIL-HDBK-828	Laser Safety on Ranges and in Other Outdoor Areas	Laser Safety on Ranges and in Other Outdoor Areas	RCMA(KW)	
16	ISO 101110	Preparation of drawing for Optical components elements & system	Optical drawing of characteristics, including tolerances of components and system	RCMA(KW)	
17	MIL-HDBK-454	General Guidelines for Electronic Equipment	General Guidelines for Electronic Equipment	RCMA(KW)	
18	MIL-HDBK-244	Guide to Aircraft/Stores Compatibility	Guide to Aircraft/Stores Compatibility	RCMA(KW)	
19	MIL-HDBK-1760	Aircraft/Store Electrical Interconnection System	Aircraft/Store Electrical Interconnection System	RCMA(KW)	
20	MIL-HDBK-87213	Electronically/Optically Generated Airborne Displays	Electronically/Optically Generated Airborne Displays	RCMA(KW)	
21	MIL-STD-1289	Airborne Stores, Ground Fit and Compatibility Requirements	Airborne Stores, Ground Fit and Compatibility Requirements	RCMA(KW)	
22	MIL-STD-464	Electromagnetic Environmental Effects Requirements for Systems	Electromagnetic Environmental Effects Requirements for Systems	RCMA(KW)	
23	JSSG-2005	Avionic Subsystem, Main Body	Avionic Subsystem, Main Body	RCMA(KW)	
24	ADS-65-HDBK	Airworthiness Qualification and Verification Requirements for Electro-Optics and Infrared Sensor Systems	Airworthiness Qualification and Verification Requirements for Electro-Optics and Infrared Sensor Systems	RCMA(KW)	
25	ADS-63-SP	Radar System Airworthiness Qualification and Verification Requirements	Radar System Airworthiness Qualification and Verification Requirements	RCMA(KW)	

List of Standards Applicable in Airworthiness Certification at RCMA Helicopter

Sl.No.	Standard No.	Title
1	FAR 27 – 7,000 pounds or less / FAR 29 – maximum weight greater than 20,000 pounds	Airworthiness Standards
2	DEF STAN 00-970, Part 7/2 - Rotorcraft	Design and Airworthiness Requirements for Service Aircraft
3	MIL-STD-1763A	Aircraft/stores certification procedures.
4	MIL-HDBK-244	Guide to Aircraft/Store Compatibility requirements.
5	MIL-A-8591 F	Military Specification for Airborne stores, associated suspension lugs and a/c store interface.
6	MIL-I- 8671	Installation of droppable stores and associated release system.
7	MIL-STD-1670	Environmental Criteria & guide lines for air launched weapons.
8	MIL-STD-2088	Suspension equipment design.
9	MIL-I-8675	Installation of Aircraft Armor.
10	MIL-I-6870	Inspection Programme requirements non-destructive for Aircraft and Missile material.
11	MIL-T-7743	Testing store suspension and release equipment, general specification
12	MIL-STD-2131	Launcher Ejection, Guided Missiles design Criteria.
13	MIL - STD -1760	Aircraft / Store electrical interconnections
14	MIL-PRF-5606	Hydraulic Fluid
15	MIL-STD -810 F/G / J55555	Environmental Engg. considerations and laboratory tests
16	MIL-STD-1553	Digital Time Division Command/Response Multiplex Data Bus
17	MIL-STD-1289	Airborne Stores Ground Fit and Compatibility Requirements
18	MIL-STD-1290	Light Fixed and Rotary Wing Aircraft Crashworthiness
19	MIL-STD-1365A	General Design Criteria for Handling Equipment associated with Weapons and related Items
20	MIL-STD-461E/F/G	Requirements for control of Electromagnetic Interference characteristics of Subsystems and Equipment
21	MIL-STD-464	Electromagnetic Environmental Effects for Systems
22	MIL-STD-291	Standard Tactical Air Navigation (TACAN) Signal
23	MIL-HDBK-5400	Airborne General Guidelines for Electronic Equipment
24	MIL-B-5087B	Bonding, Electrical& Lighting Protection for Aerospace Systems
25	MIL-STD-2073-1E	Standard Practice for Military Packaging
26	MIL-HDBK-217F	Reliability Prediction for Electronic Equipment
27	MIL-E-5272	Environmental Testing Specifications
28	MIL-STD-721C	Definition of terms for Reliability, Maintainability
29	MIL-PRF-5606H	Hydraulic Fluid - Petroleum based
30	MIL-PRF-83282	Standard for Hydraulic Fluid - Fire Resistant Hydrocarbon based
31	MIL-STD-889B	Standard - Dissimilar Materials
32	MIL-G-5514F	Packing, Installation and Gland Design
33	FED-STD-595	Case Finish
34	MIL-STD-5522	Hydraulic system Test Requirements and Methods
35	MIL-B-81919B	Bearings, Plain (self-aligning, sleeve and thrust) self-lubricating high speed oscillation general
36	MIL-DTL-38999	Electrical connector
37	MIL-STD-1472G	Department of defense design criteria standard-Human Engineering
38	MIL-PRF-8805F	General specification for switches and switch assemblies, sensitive, snap action (Basic, limit, push button and toggle
39	MIL-STD-704D	Electric power, Aircraft characteristics, requirement for equipment
40	MIL-STD-2164	Environmental stress screening process for electronic equipment
41	MIL-F-9490E	Flight Control System Design
42	MIL-STD-1333A	Cockpit ergonomics and control stick / pedal positioning and MS-33575 their travels
43	MIL-STD-850	Aircraft station vision requirement for military aircraft
44	MIL-STD-3009	Lighting, Aircraft, Night Vision Imaging System (NVIS) Compatible.
45	MIL-H-5440H	Hydraulic systems, Aircraft, Design and Installation requirements
46	MIL-C-6026	Aircraft Hydraulics Brake System
47	MIL-P-19692E	General specification for Hydraulic, Variable delivery Pumps
48	ARP 1281C	General Specification for Power Operated, Aircraft Flight Controls- Hydraulic Actuators
49	ARP 1383A	Impulse testing of Aerospace Hydraulic Actuators, Valves, Pressure containers and similar fluid system components
50	AMCP 706-201	Rotor Brake related leaflets
51	MIL-STD-464C	Electromagnetic Environmental Effects for Systems
52	MIL-P-5238	Pump, centrifugal fuel booster, Aircraft, General specifications
53	MIL-V-7899	Valve, check, aircraft fuel system
54	MIL-DTL-5578	Tank, fuel, aircraft, self-sealing
55	MIL-DTL-7788	Panels Information Integrally Illuminated
56	MIL-PRF-22885	General specification for switches, push button, illuminated
57	MIL-STD-1472G	Design Criteria Standard Human Engineering
58	AS8006	Minimum performance standard for pitot and pitot-static tubes
59	Any other MIL standard found relevant during design	

List of civil standards

Sl.No.	Standard No.	Title
1	RTCA DO-160G	Environmental Conditions and Test Procedures for Airborne Equipment
2	RTCA DO-178C	Software Considerations in Airborne Systems and Equipment Certification
3	RTCA DO-254	Design Assurance Guidance for Airborne Electronic Hardware
4	ED112	Minimum Operational performance specification for Crash Protected Recorder Systems
5	ED81	Certification of Aircraft Electrical/Electronic system for the Indirect effect of lightning
6	ED84	Aircraft Lightning Environment and related test waveforms
7	ED91	Aircraft Lightning Zoning Standard
8	ED113	Aircraft Lightning Direct Effects Certification
9	ARINC 408	Air transport indicator case & mounting
10	ARINC 429	Mark 33 Digital Information Transfer Systems
11	ARINC 717	Electrical Characteristics of balanced voltage Digital Interface
12	RS422	Electrical Characteristics of balanced voltage Digital Interface
13	RS232	Communication port Serial Interface
14	FAR 33 / CS-E	Federal Aviation Regulations: Aircraft Engines
15	AC 27	Advisory Circular
16	Technical Standard Orders (TSO), ITSO, European Technical Standard Orders (ETSO) as applicable to specific systems	

List of Standards Applicable in Airworthiness Certification at RCMA Koraput

Sl.No	Standard Number	Standard Title	Applicable (Airsystem/ system/ LRU/material/ component)	Domain	Tailoring of standard
1	MIL-STD-704F	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment	APS	Tailoring is provisioned and guidelines given in the standard
2	RTCA DO-178C	Software Considerations in Airborne Systems and equipment certification	Airborne software	Sw	The standard is Pre-Tailored. Additional tailoring not allowed
3	SAE AS8002A	Air Data Computer - Minimum performance standard	Air Data Computer	APS	No Tailoring
4	MIL-E-5007D	Military Specification for Aeroengines	Air System	Propulsion	Tailoring Not Required

List of Standards Applicable in Airworthiness Certification at RCMA (APS)

Sl.No	Standard Number	Standard Title	Applicable (Air system/ system/ LRU/material/ component)	Domain	Tailoring of standard
1.	MIL-STD-704	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment	APS	Yes
2.	MIL-STD-810	Environmental Design And Test Direction	Environmental design and test direction	APS	Yes
3.	Mil Std 461	Requirements For The Control Of Electromagnetic Interference Characteristics Of Subsystems And Equipment	Air System	APS	Yes
4.	JSS 55555	Environmental Test Methods For Electronic And Electrical Equipment	Air System	APS	Yes
				APS	
5.	RTCA DO 160	Environmental Conditions And Test Procedures For Airborne Equipment	Air System	APS	Yes
6.	Mil Std 202	Test Method Standard Electronic And Electrical Component Parts	Air System	APS	Yes
				APS	
7.	MIL-STD-464	Electromagnetic Environmental Effects Requirements For Systems	Electromagnetic Environmental Effects Requirements for Systems	APS	Yes
8.	RTCA DO 254	Design Assurance Guidance For Airborne Electronic Hardware	Air System	APS	Yes
9.	RTCA DO-178C	Software Considerations In Airborne Systems And Equipment Certification	Airborne software	APS & SW	Yes
10.	MIL-STD-2164	Environment Stress Screening Process	Environment Stress Screening Process for electronic equipment	APS	Yes
11.	IPC 620	Wire Harness & Cable Assemblies		APS	Yes
12.	IPC 610	Pcb		APS	Yes
13.	MIL-STD-498	Requirement Software Development And Documentation	Requirement software Development and documentation	APS	Yes
14.	MIL-STD-1425	Safety Design Requirements For Military Lasers And Associated Support Equipment	Safety Design Requirements for Military Lasers and Associated Support Equipment	APS	Yes
15.	MIL-STD-3009	Lighting, Aircraft, Night Vision Imaging System (Nvis) Compatible	Lighting, Aircraft, Night Vision Imaging System (NVIS) Compatible	APS	Yes
16.	MIL-HDBK-87244	Avionics/Electronics Integrity	Avionics/Electronics Integrity	APS	Yes
17.	MIL-HDBK-454	General Guidelines For Electronic Equipment	General Guidelines for Electronic Equipment	APS	Yes
18.	MIL-HDBK-244	Guide To Aircraft/Stores Compatibility	Guide to Aircraft/Stores Compatibility	APS	Yes
19.	MIL-HDBK-1760	Aircraft/Store Electrical Interconnection System	Aircraft/Store Electrical Interconnection System	APS	Yes
20.	MIL-STD-1289	Airborne Stores, Ground Fit And Compatibility Requirements	Airborne Stores, Ground Fit and Compatibility Requirements	APS	Yes
21.	JSSG-2005	Avionic Subsystem, Main Body	Avionic Subsystem, Main Body	APS	Yes
22.	ADS-65-HDBK	Airworthiness Qualification And Verification Requirements For Electro-Optics And Infrared Sensor Systems	Airworthiness Qualification and Verification Requirements for Electro-Optics and Infrared Sensor Systems	APS	Yes
23.	ADS-63-SP	Radar System Airworthiness Qualification And Verification Requirements	Radar System Airworthiness Qualification and Verification Requirements	APS	Yes
24.	FAR 23	Airworthiness Standards: Normal, Utility, Acrobatic, And Commuter Category Airplanes	Air System	APS	Yes
				APS	
25.	FAR 27	Airworthiness Standards: Normal Category Rotorcraft	Air System	APS	Yes

List of Standards Applicable in Airworthiness Certification at RCMA (Nasik)					
Sr.No	Standard Number	Standard Title	Applicable (Airsystem/ system/ LRU/material/ component)	Domain	Tailoring of standard
1	MIL-STD-704F	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment	APS	Tailoring is provisioned and guidelines given in the standard
2	RTCA DO-178C	Software Considerations in Airborne Systems and equipment certification	Airborne software	Sw	The standard is Pre-Tailored. Additional tailoring not allowed
3	SAE AS8002A	Air Data Computer - Minimum performance standard	Air Data Computer	APS	No Tailoring
4	GOST-19705-89	General requirements and norms of quality of electric energy	Airborne electrical and electronic equipment	Electrical	Tailoring is allowed
5	JSS-55555	Environmental Test Methods For Electronic And Electrical Equipment	Airborne electrical and electronic equipment	Environmental Test	Tailoring is allowed
6	MIL-STD-1760	Aircraft/Store Electrical Interconnection System	Weapon Systems , Store interface designs	Electrical	Tailoring is allowed
7	MIL-STD-461	Requirements For The Control Of Electromagnetic Interference Characteristics Of Subsystems And Equipment	Airborne electrical and electronic equipment Laboratory Tests	Electrical	No Tailoring
8	MIL-STD-704	Aircraft Electric Power Characteristics	Airborne electrical and electronic equipment Laboratory Tests	Electrical	No Tailoring
9	SDI QMS based on CMMI Level 3	Software Quality Management System	MC, DP, RC Software Modification of Su-30 MKI Aircraft (ASTRA, BRAHMOS, SPICE 1K,2k, CM Mk II, HSLD MK II, SDR with NCO, Special Weapon, RUDRAM-II, III, NGARM, Khagantak-243, LRGB Gaurav, PGHSLD etc	Sw	Already tailored according to SDI, IAF
10	RTCA DO-178C	Software Considerations in Airborne Systems and equipment certification	ISIS (Integrated Standby Instrumentation System) for Su-30 MKI Aircraft	Sw	The standard is Pre - Tailored. Additional tailoring not allowed
11	DSSD	DRDO Standard for Software Development	Helicopter launched Munition System	Sw	Tailoring is provisioned and guidelines given in the standard
12	IEEE 12207	Framework for Software Lifecycle Processes	ABK-DY Fuze for Bomb IL 38 Aircraft	Sw	Tailoring is provisioned and guidelines given in the standard
13	DO-228	Minimum Operational Performance Standards for Global Navigation Satellite System (GNSS) Airborne Antenna Equipment	Airborne antenna, GNSS equipment	Electrical	Tailoring is allowed
14	MIL-STD-810	Environmental Test Methods & Engineering Guidelines			Tailoring is allowed
15	MIL-HDBK-244A	Guide to aircraft/stores compatibility			Tailoring is allowed
16	MIL-HDBK-1763	Aircraft/stores compatibility: systems engg data requirements & test procedures			Tailoring is allowed
17	MIL-STD-810	Environmental Engineering Considerations and Laboratory Tests	Air system, System, LRU, Material & Component	Environmental Testing	Tailoring is allowed.
18	MIL-STD-8591	Airborne Stores, Suspension Equipment and Aircraft-Store Interface (Carriage Phase)	Airborne Stores, Suspension Equipment and their associated interfaces.	Airborne Stores: Carriage Loads Estimation	Tailoring is allowed.
19	MIL-STD-2131 (AS)	Launcher, Ejection, Guided Missile Aircraft, General Design Criteria	Missile Suspension Systems (Ejection Launcher)	Design, Development, Construction, Maintenance & Testing of an Ejection Launcher	Tailoring is not allowed.
20	MIL-M-8856	Missile Guided, Structural Integrity	Guided Missiles	Structural Performance & Verification Requirements for Guided Missiles	May be modified and amplified in contracts for guided missiles by type, detail, design data & test specifications.
21	MIL-A-8860	Airplane Strength & Rigidity	Airplane	Structural Design, Analysis, Test and Data Requirements for Fixed Wing Piloted Airplanes	Cannot be tailored individually, as the standard is a part of MIL-A-8860 series and references other standards in the same series.
22	MIL-A-8870	Airplane Strength & Rigidity, Vibration, Flutter & Divergence	Airplane	General and detailed design requirements to prevent flutter, divergence and other dynamic and static aeroelastic instabilities.	May be modified for specific models of airplanes by type or detail specifications, by flight test ot demonstration requirements and by other contractual documents.
23	MIL-STD-2088	Bomb Rack Unit (BRU), Aircraft, General Design	Missile Suspension Systems (Bomb Rack)	Design & Development of a Bomb Rack Unit (BRU)	Tailoring is not allowed.
24	MIL-STD-883	Microcircuits	Missile Suspension Systems (Ejection Launcher)	Design, Development, Construction, Maintenance & Testing of an Ejection Launcher	Tailoring is not allowed.
25	RTCA-DO-160	Environmental Conditions and Test Procedures for Airborne Equipment	Guided Missiles	Structural Performance & Verification Requirements for Guided Missiles	Tailoring is allowed
26	RTCA-DO-254	Design Assurance Guidance For Airborne Electronic Hardware			
27	MIL-STD-882	System Safety	Air system, System, LRU, Material & Component	Environmental Testing	Tailoring is allowed.
28	MIL-HDBK-2164	Environmental Stress Screening Process for Electronic Equipment	Missile Suspension Systems (Bomb Rack)	Design & Development of a Bomb Rack Unit (BRU)	Tailoring is not allowed.
29	MS3314	Lug, Suspension, (1000 Pound Class) Airborne Equipment	Component (Bomb Lug)	Detailed Specification Sheet of Bomb Lug	Tailoring is not allowed.
30	MIL-HDBK-1763	Aircraft/stores compatibility: Systems Engineering Data Requirements & Test Procedures	Aircraft & Airborne Store	Compatibility between Military Aircraft and Airborne Stores/ Weapons.	For guidance only.
31	MIL-STD-1289	Airborne Stores Ground Fit & Compatibility Requirements	Airborne Stores	Mechanical Feasibility	Tailoring is not allowed.
32	MIL-T-7743	Testing, Store Suspension & Release equipment	Airborne Stores & Suspension Equipment	Laboratory Tests for all types of Store Suspension Equipment intended for Military Aircraft use.	Tailoring is allowed.
33	MIL-A-8862	Airplane Strength and Rigidity Landplane Landing and Ground Handling Loads	Aircraft	Landing & Ground Handling Loads of Land & Carrier based Aircraft	Tailoring is not allowed.
34	MIL-A-8866	Airplane Strength & Rigidity Reliability requirements, Repeated Loads, Fatigue & Damage Tolerance	Naval Aircraft	Strength & Rigidity requirements for Repeated Loading Condition	Tailoring is not allowed.
35	MIL-STD-1629	Procedures for performing a Failure Mode, Effects and Criticality Analysis	Air system, System, LRU, Material & Component	FMEA & FMECA	Tailoring is allowed based on reviewing the extent of applicability.
36	MIL-STD-1587	Materials and Process Requirements for Air Force Weapon Systems	Weapon Systems	Material & Process requirements during Design & Production of Aerospace Systems	Tailoring is not allowed.
37	MIL-STD-882	System Safety	Airborne Systems	System Safety Analysis	Tailoring is allowed.
38	MIL-HDBK-2165	Testability Handbook for Systems & Equipment	Airborne Systems	Approach to Establishing & Conducting a Testability Program	Tailoring is allowed.
39	MIL-HDBK-217	Reliability Prediction of Electronic Equipment	LRU & Component	Reliability Prediction	For guidance only.
40	MIL-STD-2156 (AS)	Launcher, Rail, Guided Missile, Aircraft, General Design Criteria for	ALWs	Design & Development of Rail Launcher	For guidance only.
41	MIL_5014_F	Inner Tube Pneumatic Tire aircraft	Inner Rubber Tube for aircraft tyre	Aircraft Tyre	For guidance
42	MIL-PRF-87260B(USAF)	Foam material, explosion suppression, Inherently electrostatically conductive, For aircraft fuel tanks	PPU FOAM	Fuel System	Tailoring is allowed.
43	MIL-DTL-87934B	Desiccant, Molecular Sieve (Impregnated)			
44	MIL-H-8775D	Hydraulic System Components, Aircraft and Missiles, General Specification	Hydraulic System Components	Hydraulic System	Tailoring is allowed.
45	MIL-HDBK-2193(SH)	Hydraulic System Components, Ship	Hydraulic System Components	Hydraulic System	Tailoring is allowed.
46	MIL-P-256906	29Plastic, Sheets and Formed Parts, Modified Acrylic Base, Monolithic, Crack Propagation Resistant	Canopy Glass	Canopy Glass	Tailoring is allowed.
47	MIL-PRF-5041K	Performance Specification Tires, Ribbed Tread, Pneumatic, Aircraft	Pneumatic Tire	Aircraft Pneumatic Tire	Tailoring is allowed.
48	MIL-PRF-81380D	Performance Specification filter/monitor, contamination, Aviation fuel dispensing system	Aircraft Filters	Aircraft Filters	Tailoring is allowed.
49	SAE AS8775	Hydraulic System Components, Aircraft and Missiles, General Specification	Hydraulic System Components	Hydraulic System	Tailoring is allowed.

List of Standards Applicable in Airworthiness Certification at RCMA (GTRE)

Sl.No	Standard Number	Standard Title	Applicable (Air system/ system/ LRU/material/ component)	Domain	Tailoring of standard
1	MIL-E-5007E	GENERAL SPECIFICATION FOR ENGINES, TURBOJET AND TURBOFAN	Air System	Engine	Tailoring is based on application of engine
2	JSSG-2007B	JOINT SERVICE SPECIFICATION GUIDE ENGINES, AIRCRAFT, TURBINE	Air System	Engine	Tailoring is provisioned and guidelines given in the standard

List of STANDARDS used in RCMA(HYD)

Sl No.	Standard Title
1	SAE AS6070
2	SAE AS6070/1
3	SAE AS6070/2
4	SAE AS6070/5
5	SAE AS6070/6
6	SAE AS4373
7	NEMA WC 27500
8	NEMA HP 3
9	SAE AS22759
10	SAE AS22759/16 to SAE AS22759/19
11	SAE AS22759/32 to SAE AS22759/35
12	SAE AS22759/41 to SAE AS22759/58
13	ARINC 818
14	ARINC 709-8
15	JSS 51034
16	JSS 51038
17	JSS 55555 Rev 3. / Rev 4.
18	RTCA DO 181
19	RTCA DO 185
20	RTCA DO 260
21	RTCA DO 192
22	RTCA DO 195
23	RTCA DO 196
24	STANAG 4193/3350
25	MIL BUS 1553
26	ARINC 429
27	ARINC 664