Appendix 4 FAR-23 Manuals, Markings, & Placards Checklist

Primary FAR	Support FAR	Description	Manual	Mark	Placard	Sign
23.25(a)(2)	23.1557(b)	Occupant weight less than 170 lb (normal and commuter) or 190 lb (utility and aerobatic)			X	
23.31(a)	23.1557(a)	Marking for placement of removable ballast		X		
23.31(b)		Ballast content and weight limitations	X	X	X	
23.373(a)		Placard for maximum speed for extended speed control devices			X	
23.415(c)		Maximum weight for tie-down	X			
23.671(b)		Identification of controls		X		
23.672(c)(2)		Practicable operational flight envelope after system failure	X			
23.677(a)		Direction of movement and position of trim device		X		
23.685(d)		Marking of control system elements		X		
23.733(b)		Marking of specially constructed tires		X		
23.777(a)	23.1555(a)	Identification of cockpit controls		X		
23.777(h)(1)	23.995	Indication of selected position for mechanical fuel selector		X		
23.777(h)(2)	23.995	Indication of tank or function selected for electronic fuel selector. Closed position indicated in red		X		
23.777(h)(3)	23.995	Red marking of OFF position of fuel valve selector		X		
23.783(c)(3)-(4)	23.811	Marking of means of opening external doors		X		
23.785(h)		Placard for seats in utility and aerobatic airplanes which won't accommodate an occupant wearing a parachute			X	
23.787(a)(1)		Placard for maximum weight capacity of baggage or cargo compartment			X	
23.791		Passenger information signs required for commuter category airplanes if flight crew cannot observe other seats				X
23.807(b)(3)		Marking of emergency exit location and operation		X		
23.811(a)		External marking of means of opening doors and exits		X	X	
23.811(b)		Internal sign for exits and doors for commuter category airplanes				X
23.841(b)(7)		Warning placard if maximum differential cabin pressure and landing loads exceed limit			X	
23.853(c),(c)(2)		Placard or illuminated sign prohibiting smoking if/when applicable			X	X
23.853(d)(1)		"No cigarette disposal" placard on/near each disposal receptacle door for commuter category			X	
23.853(d)(2)		"No smoking" placards required for lavatories for commuter category			X	
23.903(d)	23.1581(a)(2)	Marking or placard for piston engine start techniques and limitations	X		X	
23.903(e)(1)	23.1581(a)(2)	Marking or placard for turbine engine start techniques and limitations	X		X	
23.903(e)(3)	23.1581(a)(4)	Marking or placard for turbine engine in-flight restart techniques and limitations	X		X	

23.905(f)		Marking such that pusher propeller disk is conspicuous		X		
23.909(e)	12.1581(a)(2)	Turbocharger operating procedures and limitations	X			
23.955(d)(2)	23.1555(c)(3)	Placard for operating instructions for use of auxiliary fuel tank			X	
23.973(a)	23.1557(c)	Marking of fuel tank filler		X		
23.1001(g)		Placard for fuel jettisoning means if prohibited in some aerodynamic configurations			X	
23.1013(c)	23.1557(c)	Marking oil filler tank connections		X		
23.1045(a)	23.1041	Compliance with § 23.1041 must be shown for all flight phases with the procedures established in AFM (turbines)	X			
23.1047	23.1041	Compliance with §23.1041 must be shown for the climb/descent with the procedures established in AFM (pistons)	X			
23.1061(c)		Marking coolant tank filler connections		X		
23.1141(a)	23.1555(a)	Marking of powerplant controls		X		
23.1301(b)		Labeling of equipment as to its identification, function and/or operating limitations		X		
23.1311(a)(7)		Instrument markings on electronic displays		X		
23.1325(b)(3)	23.1541(a)(2)	Provision of alternate static correction card, if required		X		
23.1327(b)	23.1547(e)	Placard for magnetic indicator deviations of more than 10^0			X	
23.1329(d)		Marking of direction of motion of autopilot controls		X		
23.1337(b)		Marking of appropriate units on fuel quantity indicator		X		
23.1357(d)		Marking of essential circuit breakers and fuses		X		
23.1367(d)		Marking of switches as to operation and circuit controlled		X		
23.1419(a)	23.1585(a)	Recommended procedures for use of ice protection equipment	X			
23.1450(c)		Placard for oxygen flow, duration and warning of hot generator element			X	
23.1501	23.1541-23.1589	Operating limitations and other information necessary for safe operation should be established and furnished to the crew	X			
23.1541(a)(1)	23.1545-23.1567	Markings and placards specified by §§23.1545-23.1567		X	X	
23.1541(a)(2)		Additional information, markings and placards required for safe operation	X	X	X	
23.1541(b)		Specifies characteristics of markings and placards		X	X	
23.1541(c)(1)		Select one category for basis for markings and placards for multi-category airplanes	X	X	X	
23.1541(c)(2)		Placards and marking information for all certified categories must be furnished in the AFM	X	X	X	
23.1543		Alignment and visibility of instrument markings		X		
23.1545(a)		Marking of speeds on ASI		X		
23.1545(b)		Marking of VNE, caution range, flap operating range, OEI en-route climb/descent speed for pistons less than 6000 lb, VMC for pistons less than 6000 lb.		X		
23.1545(c)		Indication of variation of VNE or VNO with altitude		X		
23.1545(d)		Indication of variation of VMO/MMO with altitude or lowest value		X		

23.1547(a)		Marking of conditions for, and calibration of, magnetic direction indicator		X	X	
23.1549(a)		Marking of powerplant instruments-red radial line for maximum and minimum operating limits		X		
23.1549(b)		Marking of powerplant instruments - green arc for normal range		X		
23.1549(c)		Marking of powerplant instruments-yellow arc for caution and take-off range		X		
23.1549(c)		Marking of powerplant instruments-red arc for restricted vibration range		X		
23.1551		Marking of oil quantity indicator		X		
23.1553	23.1337(b)(1)	Red radial marking at specified zero reading		X		
23.1555(a)		Marking of cockpit control as to function and method of operation		X		
23.1555(b)		Marking of secondary controls		X		
23.1555(c)(1)		Marking of powerplant fuel controls-fuel selector position		X		
23.1555(c)(2)		Marking of powerplant fuel controls-fuel tank sequence		X		
23.1555(c)(3)	23.955(d)(2)	Placard stating conditions under which maximum usable fuel may be used from restricted usage tank			X	
23.1555(c)(4)		Marking of powerplant fuel controls-multi-engine fuel selector position		X		
23.1555(d)(1)		Marking of usable fuel at indicator, if applicable		X		
23.1555(d)(2)		Marking of usable fuel at selector, if applicable		X		
23.1555(e)(1)		Marking of landing gear position indicator		X		
23.1555(e)(2)		Marking of emergency controls red and of method of operation		X		
23.1557(a)		Placard for baggage, cargo and ballast for weight and content			X	
23.1557(b)	23.25(c)(2)	Placard for seats not capable of carrying more than 170 lb.			X	
23.1557(c)(1)(i)	23.973(a)	Marking of fuel filler openings (piston)		X		
23.1557(c)(1)(ii)	23.973(a)	Marking of fuel filler openings (turbine) and AFM requirement	X	X		
23.1557(c)(2)		Marking of oil filler openings and AFM requirement	X	X		
23.1557(c)(3)		Marking of coolant filler openings		X		
23.1557(d)		Placard for emergency exits and controls			X	
23.1557(e)		Marking of system voltage of each DC installation		X		
23.1559(a)(1)		Placard stating that airplane must be operated in accordance with AFM			X	
23.1559(a)(2)		Placard stating the certified category to which placards apply			X	
23.1559(b)		For multi-category airplanes, a placard stating that other limitations are contained in the AFM			X	
23.1559(c)	23.1525	Placard specifying the kinds of operation			X	
23.1561(a)		Marking of safety equipment as to method of operation		X		

23.1561(b)		Marking of stowage provisions for safety equipment		X		
23.1563(a)		Placard of VA close to ASI			X	
23.1563(b)		Placard of VLO close to ASI			X	
23.1563(c)	23.1525	Placard of VMC close to ASI for pistons greater than 6,000 lb and turbines			X	
23.1567(a)		Placard prohibiting aerobatic maneuvers, including spins, for normal category airplanes			X	
23.1567(b)(1)		Placard listing approved aerobatic maneuvers for utility category airplanes			X	
23.1567(b)(2)		Placard stating "spins prohibited" for utility category airplanes that do not meet the aerobatic spin requirements			X	
23.1567(c)		Placard listing approved aerobatic maneuvers and recommended entry airspeed; also stating if inverted maneuvers are not allowed			X	
23.1567(d)		Placard listing conditions and control actions for recovery from a spin			X	
23.1581(a)	23.1583-23.1589	Requires AFM be submitted to the Authority. AFM must contain information required by §§23.1583-23.1589, other information necessary for safe operation and information necessary to comply with the operating rules	X			
23.1581(b)(1)	23.1583-23.1589	Information required by §§23.1583-12.1589 must be approved and segregated from unapproved information	X			
23.1581(b)(s)(i)	23.1583	Operating limitations must be approved and clearly distinguished from other parts of the AFM (does not apply to pistons less than or equal to 6000 lb)	X			
23.1581(b)(2)(ii)	23.1585-23.1589	Procedures, performance and loading information must be presented in a manner acceptable to the Authority (does not apply to pistons less than or equal to 6000 lb)	X			
23.1581(c)		Units in the AFM must be the same as those marked on the appropriate instruments and placards	X		X	
23.1581(d)		All AFM operational airspeeds must, unless other wise specified, be presented as indicated airspeeds	X			
23.1581(e)		Provisions must be made for stowing the AFM in a suitable fixed container readily accessible to the pilot	X			
23.1581(f)		Each AFM must contain a means for recording the incorporation of revisions and/or amendments	X			
23.1583		Each AFM must contain operating limitations, including the following:	X	X		
23.1583(a)(1)	23.1545	Information necessary for the marking of airspeed limits as required in §23.1545	X	X		
23.1583(a)(2)		The speeds VMC, VA, VLE and VLO and their significance	X			
23.1583(a)(3)(i)		VMO/MMO and a statement that this speed must not be deliberately exceeded without authorization (for turbine powered commuters)	X			
23.1583(a)(3)(i)		If an airspeed limitation is based on compressibility effects, a statement to this effect, further information and the recommended recovery procedure (for further powered commuters)	X			

23.1583(a)(3)(ii)		The airspeed limits must be shown in terms of VMO/MMO for (turbine powered commuters)	X			
23.1583(b)(1),(2)	23.1521	Powerplant limitations required by § 23.1521 and explanations, when appropriate	X			
23.1583(b)(3)	23.1549-23.1553	Information necessary for marking powerplant instruments required in §23.1549 to §23.1553	X			
23.1583(c)(1)		Maximum weight	X			
23.1583(c)(2)		Maximum landing weight (if less than maximum weight)	X			
23.1583(c)(3)	23.63(c)(1)	MTOW for each airdrome altitude and temperature selected by the applicant at which the airplane complies with §23.63(c)(1) (not for pistons less than 6000 lb and commuters)	X			
23.1583(c)(4)	23.63(d)(1), 23.55,23.59(a) 23.59(b)	For commuter airplanes, the MTOW for each airdrome altitude and temperature selected by the applicant at which the airplane complies with the climb requirements of §23.63(d)(1), the accelerate-stop distance determined in §23.55 is acceptable, the take-off distance determined in §23.59(a) is acceptable and, optionally, the take-off run determined in §23.59(b) is acceptable	X			
23.1583(c)(5)	23.63(d)(2), 23.75,23.343	For commuter airplanes, the maximum landing weight for each airdrome altitude selected by the applicant at which the airplane complies with the climb requirements of §23.63(d)(2), the landing distance determined in §23.75 is acceptable and the maximum zero wing fuel weight established in §23.343	X			
23.1583(d)		The established center of gravity limits	X			
23.1583(e)	23.221(c)	Authorized maneuvers, appropriate airspeed limitations, recommended entry speeds, spin recovery procedures and unauthorized maneuvers according to category	X			
23.1583(f)		Positive limit load factors and, for aerobatic airplanes, the negative limit load factors	X			
23.1583(g)	23.1523	Number and functions of the minimum flight crew	X			
23.1583(h)	23.1525	Lists of kinds of operation according to §23.1525, installed equipment affecting any operating limitation and identification as to equipment's required operational status	X			
23.1583(I)	23.1527	Maximum operating altitude	X			
23.1583(j)		Maximum passenger seating configuration	X			
23.1583(k)		Maximum allowable lateral fuel loading differential, if less than the maximum possible	X			
23.1583(l)		Maximum allowable load and maximum intensity of loading for baggage and cargo compartments or zones	X			
23.1583(m)		Any limitations on the use of airplane systems and equipment	X			
23.1583(n)		Where appropriate, maximum and minimum ambient temperatures for operation	X			
23.1583(o)		Any restrictions on smoking in the airplane	X			
23.1583(p)	23.45(g), 23.1587(a)(5)	Types of surface on which operation may be conducted (see §34.45(g) and §23.1587(a)(5)	X			

23.1585(a)		Information concerning normal, abnormal and emergency procedures and other information necessary for safe operation and achievement of scheduled performance, including	X			
23.1585(a)(1)		Explanation of significant or unusual flight or ground handling characteristics	X			
23.1585(a)(2)		Maximum demonstrated values of crosswind for take-off and landing and associated procedures	X			
23.1585(a)(3)		A recommended speed for flight in rough air	X			
23.1585(a)(4)	23.903(f)	Procedures for restarting any engine in flight, including the effects of altitude	X			
23.1585(a)(5)	23.73, 23.75	Procedures, speeds and configurations for making a normal approach and landing in accordance with §23.73 and §23.75 and transition to the balked landing condition	X			
23.1585(b)	23.71	For all single-engine airplanes, procedures, speeds and configurations for a glide following engine failure and the subsequent forced landing	X			
23.1585(c)(1)		For all twin-engine airplanes, procedures, speeds and configurations for making an approach and landing with one engine inoperative	X			
23.1585(c)(2)		For all twin-engine airplanes, procedures, speeds and configurations for making a go-around with one engine inoperative, the conditions under which it can be performed safely or a warning against attempting a go-around	X			
23.1585(d)(1)	23.51(a),(b) 23.53(a),(b) 23.65,23.69(a)	For all normal, utility and aerobatic airplanes, procedures, speeds and configurations for making a normal take-off (§§23.51(a),(b) 23.53(a),(b)) and subsequent climb (§§23.65, 23.69(a))	X			
23.1585(d)(2)		For all normal, utility and aerobatic airplanes, procedures for abandoning a take-off	X			
23.1585(e)(1)		For all normal, utility and aerobatic twin-engine airplanes, procedures and speeds for continuing a take-off following engine failure, the conditions under which it can be performed safely or a warning against continuing the take-off	X			
23.1585(e)(2)	23.67,23.69(a)	For all normal, utility and aerobatic twin-engine airplanes, procedures and speeds for continuing a climb following engine failure after take-off (§23.67) or en-route (§23.69(b))	X			
23.1585(f)(1)		For commuter category airplanes, procedures, speeds and configurations for making a normal take-off	X			
23.1585(f)(2)	23.55	For commuter category airplanes, procedures and speeds for carrying out an accelerate-stop				
23.1585(F)(3)	23.57, 23.59(a)(1), 23.61(a)	For commuter category airplanes, procedures and speeds for continuing a take-off following engine failure (§23.59(a)(1) and for following the flight path (§§23.57, 23.61(a))	X			
23.1585(g)	23.953	For twin-engine airplanes, information and instructions regarding fuel supply independence	X			
23.1585(h)	23.1353(g)(2), 23.1353(g)(3)	For each airplane showing compliance with §23.1353(g)(2) or (g)(3), the procedures for disconnecting the battery from its charging source	X			
23.1585(i)		Information on the total quantity of usable fuel for each tank and the effect pump failure	X			

23.1585(j)		Procedures for the safe operation of the airplane's systems and equipment, in normal use and in the event of malfunction	X			
23.1587	23.45(b)	Unless other wise presented, performance information must be provided over the altitude and temperature ranges required by §23.45(b)	X			
23.1587(a)(1)	23.49	Stalling speeds V_{SO} and V_{S1} at maximum weight with landing gear and wing flaps retracted and the effect on these stalling speeds of bank angles up to 60^0	X			
23.1587(a)(2)	23.69(a)	Steady rate and gradient of climb with all engines operating	X			
23.1587(a)(3)	23.75	The landing distance for each airdrome altitude and standard temperature and the type of surface for which it is valid	X			
23.1587(a)(4)	23.45(g)	The effect on landing distance of operation on other than smooth hard surfaces, when dry	X			
23.1587(a)(5)		The effect on landing distance of runway slope, 50% of the headwind component and 150% of the tailwind component	X			
23.1587(b)	23.77(a)	For normal, utility and aerobatic piston airplanes of 6000 lb or less, the steady angle of climb/descent	X			
23.1587(c)(1)	23.53	For normal, utility and aerobatic airplanes, the take-off distance and the type of surface for which it is valid	X			
23.1587(c)(2)	23.45(g)	The effect on take-off distance of operation on other than smooth hard surfaces, when dry	X			
23.1587(c)(3)		The effect on take-off distance of runway slope, 50% of the headwind component and 150% of the tailwind component	X			
23.1587(c)(4)	23.66	For twin piston airplanes of more than 6000 lb MTOW and turbine airplanes, the one-engine inoperative take-off climb/descent gradient	X			
23.1587(c)(5)	23.69(b)	For twin-engine airplanes, the en-route rate and gradient of climb/descent with one-engine inoperative	X			
23.1587(c)(6)	23.71	For single-engine airplanes, the glide performance	X			
23.1587(d)(1)	23.55	For commuter airplanes, the accelerate-stop distance	X			
23.1587(d)(2)	23.59(a)	For commuter airplanes, the take-off distance	X			
23.1587(d)(3)	23.59(b)	For commuter airplanes, the take-off run at the applicant's option	X			
23.1587(d)(4)	23.45(g)	For commuter airplanes, the effect on accelerate-stop distance, take-off distance and, if determined, take-off run of operation on other than smooth hard surfaces, when dry	X			
23.1587(d)(5)		For commuter airplanes, the effect on accelerate-stop distance, take-off distance and, if determined, take-off run of runway slope, 50% of the headwind component and 150% of the tailwind component	X			
23.1587(d)(6)	23.61(b)	For commuter airplanes, the net take-off path	X			

23.1587(d)(7)	23.69(b)	For commuter airplanes, the en-route gradient of climb/descent with one engine inoperative	X			
23.1587(d)(8)		For commuter airplanes, the effect on the net take-off path and the en-route gradient of climb/descent with one engine inoperative, of 50% of the headwind component and 150% of the tailwind component	X			
23.1587(d)(9)	23.63(d)(2), 75	For commuter airplanes, overweight landing performance information (the maximum weight at which the airplane complies with §23.63(d)(2) and the landing distance in §23.75)	X			
23.1587(d)(10)	23.1323(b),(c)	For commuter airplanes, the relationship between IAS and CAS	X			
23.1587(d)(11)	23.1325(e)	For commuter airplanes, the altimeter system calibration	X			
23.1587(d)(7)	23.69(b)	For commuter airplanes, the en-route gradient of climb/descent with one engine inoperative	X			
23.1589(a)	23.25	The weight and location of each item of equipment that can be easily removed and was installed when the airplane was weighed	X			
23.1589(b)	23.23, 23.25	Appropriate loading instructions for each permissible loading condition of weight and cg	X			
App. G23-2,3,4	23.1529	Instructions for continued airworthiness	X			