

Take-Off				Take-Off Climb - from 50FT to 1500FT				En-Route (from 1500FT to 1000FT)				Landing																						
Field Length Requirements				Climb Requirements Requirements				En-Route Requirements				Normal		Balked Landing / Approach Climb / Landing Climb																				
SEP B		MEP B		MRJT1 - A				SEP B	MEP B		MRJT1 - A		SEP B / MEP B		MRJT1 - A		SEP B	MEP B		MRJT1 - A - Based on AEO														
No stopway / clearway		With Clearway		No obst clearance minimums	Clear obs. By 50FT			Segment 1: Screen Height to Gear-Up			At Least 300ft/min		At Least 300ft/min	AE O	Thrust Available		LDR(at 50FT) (max) = LDA x 0.70		70%	LDR(at 50FT) (max) = LDA x 0.60		60%	-	Climb Gradient	>=2.5%		AEO	>= 3.2%						
TORA		TOD x 1.25			Turns not permitted before end of TODR (50FT)			Engines	2E	3E	4E	Descent Gradient + 0.5%	Climb Gradient - 0.5%	OEI	Descent Gradient + 0.5%	Buffet Onset (High and Low stall)		Runway Condition				Power at 8 secs		Landing Gear DOWN										
					Bank Angle < 15 degrees			Min. gradient	0%	0,30%	0,50%					Vs = VDD - Aerodynamic Ceiling		Grass Up to 20cm				LDR x 1.15				Power Take Off								
With stopway / clearway				Obstacle Clearance - Horizontally			Setup	Gear Down, Flaps T/O, V2			0.3G margin (40 degree AoB) - Maneuvering Ceiling		0.3G margin (40 degree AoB) - Maneuvering Ceiling				WET				LDR x 1.15 (Flight Manual may say less)	Flaps Landing				Climb Speed = VREF								
TORA >=		TOD		Wingspan < 60m			Note:	No bank permitted below 50FT / 1/2 wingspan																										
ASDA >=		TOD x 1.30		60m + 1/2 Wingspan + 0.125xD			Segment 2 - Gear-Up to 400FT																											
TODA >=		TOD x 1.15					Engines	2E	3E	4E																								
							Min. gradient	2,40%	2,70%	3,00%																								
							Setup	Gear Up, Flaps T/O, V2 + 10KT																										
							Note:	Maximum 15 degree AoB																										
							Segment 3 - 400FT to Flaps UP																											
							Engines	2E	3E	4E																								
							Min. Gradient	-	-	-																								
							Setup	Gear Up, Flaps Retracting, Accelerating																										
							Note:																											
							Segment 4 - Up to 1500FT																											
							Engines	2E	3E	4E																								
							Min. Gradient	1,20%	1,50%	1,70%																								
							Setup	Gear Up, Flaps Up, MCT																										
							Note:																											
							Per Design: Minimum is 3.3% Climb Gradient																											