

FAR Part 77

		-----DSTC fm CL to edge of trapezoid----->					
Turf Runway	Dstc from rwy end ↓	A(V)	Paved				PIR
			B(V)	A(NP)	C	D	
	Dstc from		>12.5		<3/4	<3/4	
			20:1	20:1	20:1	34:1	34:1
			105	230	220	190	440
			115	240	235	220	470
0	125	200	125	250	250	250	500
100	135	300	135	260	265	280	530
200	145	400	145	270	280	310	560
300	155	500	155	280	295	340	590
400	165	600	165	290	310	370	620
500	175	700	175	300	325	400	650
600	185	800	185	310	340	430	680
700	195	900	195	320	355	460	710
800	205	1000	205	330	370	490	740
900	215	1100	215	340	385	520	770
1000	225	1200	225	350	400	550	800
1100	235	1300	235	360	415	580	830
1200	245	1400	245	370	430	610	860
1300	255	1500	255	380	445	640	890
1400	265	1600	265	390	460	670	920
1500	275	1700	275	400	475	700	950
1600	285	1800	285	410	490	730	980
1700	295	1900	295	420	505	760	1010
1800	305	2000	305	430	520	790	1040
1900	315	2100	315	440	535	820	1070
2000	325	2200	325	450	550	850	1100

Acft Apch Category	
Catogory	approach speed
A	acft less than 91 kts
B	91 kts or more but less than 121 kts
C	121 kts or more but less than 141 kts
D	141 kts or more but less than 166 kts
E	166 kts or more.

Airplane Design Group	
I	wingspan up to but not including 49 ft.
II	49 ft up to but not including 79 ft.
III	79 ft up to but not including 118 ft.
IV	118 ft up to but not including 171 ft
V	171 ft up to but not including 214 ft.
VI	wingspan greater than 214 ft.

Definitions: FAR Part 77

Utility rwy
A rwy built & intended to be used by prop driven acft less than 12,500# MGWT

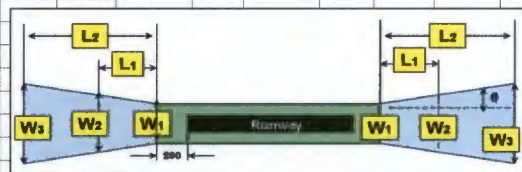
Visual rwy (V)
Rwy intended solely for operation of acft using visual apch procedures with no straight-in procedures.

Non Precision Instrument (NPI) Rwy
runway having an existing instrument approach procedure utilizing only horizontal guidance

Precision instrument rwy (PIR)
Rwy with an existing instrument apch procedure utilizing an ILS (Instrument Landing System) or PAR (Precision Approach Radar) or a rwy for which a precision apch is planned

Approach type and dimensions	X	Y	Z	A/R
A(V) non paved utility rwy-vis.	250	5000	1200	20:1
A(V) paved utility rwy-vis.	250	5000	1250	20:1
B(V) other than util.rwy.vis.apch	500	5000	1500	20:1
A(NP) utility-non precision apch	500	5000	2000	20:1
C other than util-NP >3/4 mile min	500	10000	3500	34:1
D other than util-NP <3/4 mile min	1000	10000	4000	34:1
PIR Precision Instr rwy	1000	10000	16000	50:1

W1 L2 W3



FAR Code	Cat.	Slope	L1	L2	W1	W2	W3
I	A(V)	20	1000	5000	250	450	1250
H	A(V)	20	1000	5000	500	650	1250
G	A(NP)	20	1000	5000	500	800	2000
F	B(V)	20	1000	5000	500	700	1500
E	C	34	1700	10000	500	1010	3500
D	B(V)	20	1000	5000	1000	1100	1500
C	D	34	1700	10000	1000	1510	4000
B	C	34	1700	10000	1000	1425	3500
A	PIR	50/40	2500	50000	1000	1750	16000

FAR Part 77		
RWY Category	Prim SFC Width	
A(V)	A(V)	250
A(V)	A(NP)	500
A(NP)	A(NP)	500
B(V)	B(V)	500
B(V)	C	500
B(V)	D	1,000
B(V)	PIR	1,000
C	C	500
C	D	1,000
C	PIR	1,000
D	D	1,000
D	PIR	1,000
PIR	PIR	1,000

	%	Ratio	%	Ratio
ILS	2	50:1	10	10:1
NPI	3	34:1	11	9:1
	4	25:1	12	8:1
Visual	5	20:1	14	7:1
	6	18:1	18	6:1
	7	14:1	20	5:1
	8	12:1	25	4:1
	9	11:1	34	3:1
	10	10:1	50	2:1