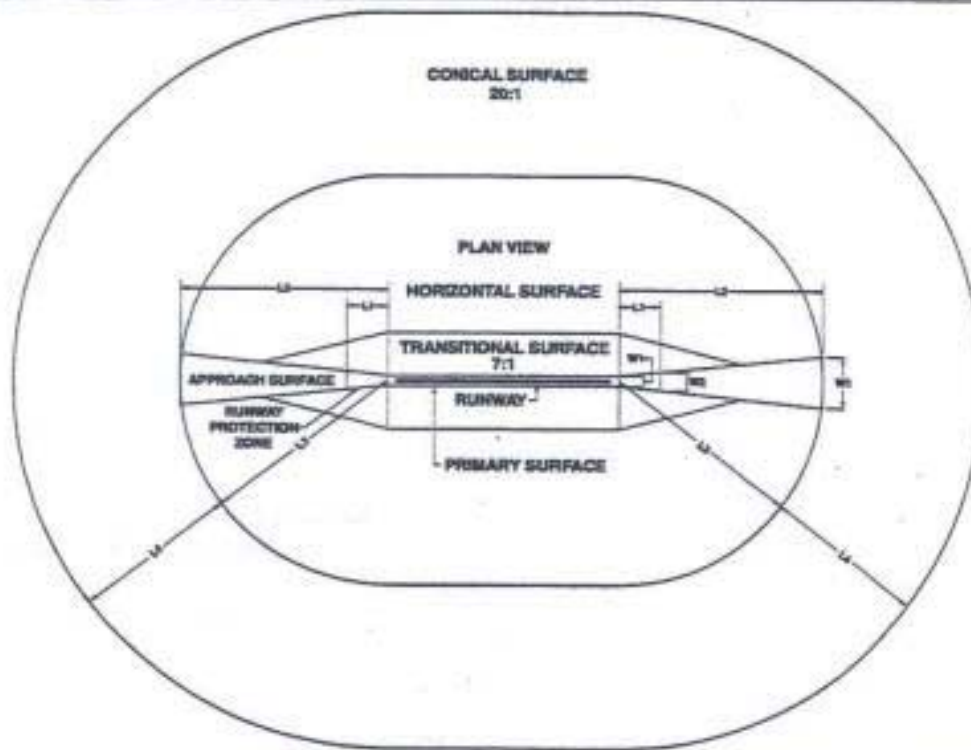


Figure 27-2113-1: Part 77 Surface Areas



FAR PART 77 "IMAGINARY SURFACES" DIMENSION REQUIREMENTS

| Runway Type | Runway Foot | | Conical Surface (L/C) | Horizontal Surface (L/S) | Approach Surface | | | Approach Slope | Primary Surface Width | Transitional Surface |
|---------------------------------------|-------------|--------|-----------------------|--------------------------|------------------|------------------|------------------|----------------|-----------------------|----------------------|
| | Approach | Other | | | Length (L/S) | Inner Width (W1) | Other Width (W2) | | | |
| Small Aircraft ¹ | V | V | 4,000 | 5,000 | 5,000 | 350 | 1,250 | 20:1 | 500 | 7:1 |
| | | NP | 4,000 | 5,000 | 5,000 | 500 | 1,250 | 20:1 | 500 | 7:1 |
| | | NP 3/4 | 4,000 | 5,000 | 5,000 | 1,000 | 1,250 | 20:1 | 1,000 | 7:1 |
| | | P | 4,000 | 5,000 | 5,000 | 1,000 | 1,250 | 20:1 | 1,000 | 7:1 |
| | | P | 4,000 | 5,000 | 5,000 | 1,000 | 1,250 | 20:1 | 1,000 | 7:1 |
| Large Aircraft ² | V | V | 4,000 | 5,000 | 5,000 | 500 | 1,500 | 20:1 | 500 | 7:1 |
| | | NP | 4,000 | 10,000 | 5,000 | 500 | 1,500 | 20:1 | 500 | 7:1 |
| | | NP 3/4 | 4,000 | 10,000 | 5,000 | 1,000 | 1,500 | 20:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 5,000 | 1,000 | 1,500 | 20:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 5,000 | 1,000 | 1,500 | 20:1 | 1,000 | 7:1 |
| Large and Small Aircraft ³ | NP 3/4 | V | 4,000 | 10,000 | 10,000 | 500 | 3,500 | 34:1 | 500 | 7:1 |
| | | NP | 4,000 | 10,000 | 10,000 | 500 | 3,500 | 34:1 | 500 | 7:1 |
| | | NP 3/4 | 4,000 | 10,000 | 10,000 | 1,000 | 3,500 | 34:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 10,000 | 1,000 | 3,500 | 34:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 10,000 | 1,000 | 3,500 | 34:1 | 1,000 | 7:1 |
| Large and Small Aircraft ³ | NP 3/4 | V | 4,000 | 10,000 | 10,000/40,000 | 1,000 | 4,000/15,000 | 50:1/40:1 | 1,000 | 7:1 |
| | | NP | 4,000 | 10,000 | 10,000/40,000 | 1,000 | 4,000/15,000 | 50:1/40:1 | 1,000 | 7:1 |
| | | NP 3/4 | 4,000 | 10,000 | 10,000/40,000 | 1,000 | 4,000/15,000 | 50:1/40:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 10,000/40,000 | 1,000 | 4,000/15,000 | 50:1/40:1 | 1,000 | 7:1 |
| | | P | 4,000 | 10,000 | 10,000/40,000 | 1,000 | 4,000/15,000 | 50:1/40:1 | 1,000 | 7:1 |

1 - In Feet
 2 - Less than 12,500 lbs maximum certified takeoff weight
 3 - Greater than 12,500 lbs maximum certified takeoff weight

V = Visual approach 20:1
 NP = Nonprecision approach 34:1
 NP 3/4 = Nonprecision approach with visibility minimums as low as 3/4 statute miles 34:1
 P = Precision approach 50:1

Note: L1 is the length of the RPZ and W2 is the outer width of the RPZ as defined by approach visibility minimums

Source: Federal Aviation Administration

