

Chapter 17

AIRPORT OVERLAY ZONE (AOZ)

16-17-020 Definition of AOZ Boundaries.

For the sake of convenience and uniformity, both the external boundary and internal sub-boundaries shall conform to, and be defined by certain of those boundary criteria established in the Code of Federal Regulations (CFR) 49, Part 77 (hereinafter referred to as Federal Aviation Regulations Part 77 or "FAR Part 77") for purposes of determining whether obstructions exist in navigable airspace.

1. Outer Boundary: Shall conform to that perimeter established by the periphery of the "Horizontal Surface" defined under FAR 77.25(a), and described below. (A very close approximation of this boundary would be that line drawn around the airport that is everywhere 1 mile from the nearest point on the runway.)
2. Primary Surface: A surface on the ground, and longitudinally centered on the runway. This surface is 250 feet wide (125 feet each side of the runway centerline and extended centerline), and extends 200 feet beyond each end of the runway.
3. Horizontal Surface: A horizontal plane 150 feet above the established airport elevation, the perimeter of which is constructed by the arcs, and lines tangent to those arcs constructed by swinging 5,000 ft. lines from the center of each end of the Primary Surface.
4. Approach Surface: A surface longitudinally centered on the extended runway centerline and extending outward and upward for 5,000 feet at a 20 to 1 slope from the two ends of the Primary Surface. The Approach Surface has a width of 250 feet on the ground, and widens uniformly to 1,250 feet at its outer end.
5. Transitional surface: Those surfaces starting at ground level and extending outward and upward at right angles to the runway centerline and extended centerline at a 7 to 1 slope from the sides of the Primary Surface and the Approach Surfaces, until intersecting the Horizontal Surface defined in 3, above.
6. Runway Protection Zone (RPZ): The location and dimensions of the RPZ are not defined in FAR Part 77 (rather, this information is to be found in FAA Advisory Circular (AC) 150/5300-13 - "Airport Design). However, since lying within the AOZ, and since certain language in this chapter is referential to the RPZ, the location and dimensions of the RPZ are herewith described as follows: "The RPZ is an area on the surface that begins at the end of the Primary Surface and extends along the boundaries of the Approach Surface until 1,200 feet from the end of the runway."