

Airport Data for Layout of Airside Geometric Area

Layout of the single runway, taxiway, taxilane and apron area at the airport with 8 gates for biggest size of the aircraft is Boeing 747-200. The minimum separation between runway and taxiway center line is 500 ft with runway and taxiway wide are 200 ft and 95 ft respectively.

The apron area is the area required for parking aircraft including the required separations between the wing tips, between aircraft and fixed obstructions, and between aircraft and movable obstructions. Geometric design criteria require that the most demanding aircraft in an aircraft design group be used to determination separation criteria.

Other criteria can be referred to ICAO and FAA regulations.

An example of airport layout, that should be achieved in this assignment:

