

What is RNAV?

RNAV is a key new NextGen technology. It enables aircraft to fly on any desired flight path within the coverage of ground or space-based navigation aids, within the limits of the capability of aircraft self-contained systems, or a combination of both capabilities.

What is Metroplex?

Metroplex refers to The Southern California Metroplex - ie, the FAA's new NextGen system

- According to the FAA, the Runway 15 departure procedure has not changed. However, the gradual increase in use of the RNAV procedure has resulted in a flight path that is more concentrated than in the past.
- Based on the flight track concentration analysis the most frequently used Runway 15 flight path has gradually changed (shifted south) prior to 2017, partly due to the increase in the average yearly temperatures since 2011. However, since the Metroplex implementation, a greater proportion of departures have flown south of the 101 Freeway than north of the 101 Freeway. Since Metroplex was implemented, a gradual increase of pilots have flown the RNAV departure procedure, which has concentrated the flight path over areas south of the 101 Freeway.