

Metroplex



Photo courtesy of Andrew Compolo

In response to recommendations from the aviation community through RTCA's NextGen Mid-Term Implementation Task Force, the FAA is putting integrated NextGen capabilities in place to improve air traffic flow for an entire region, or metroplex.

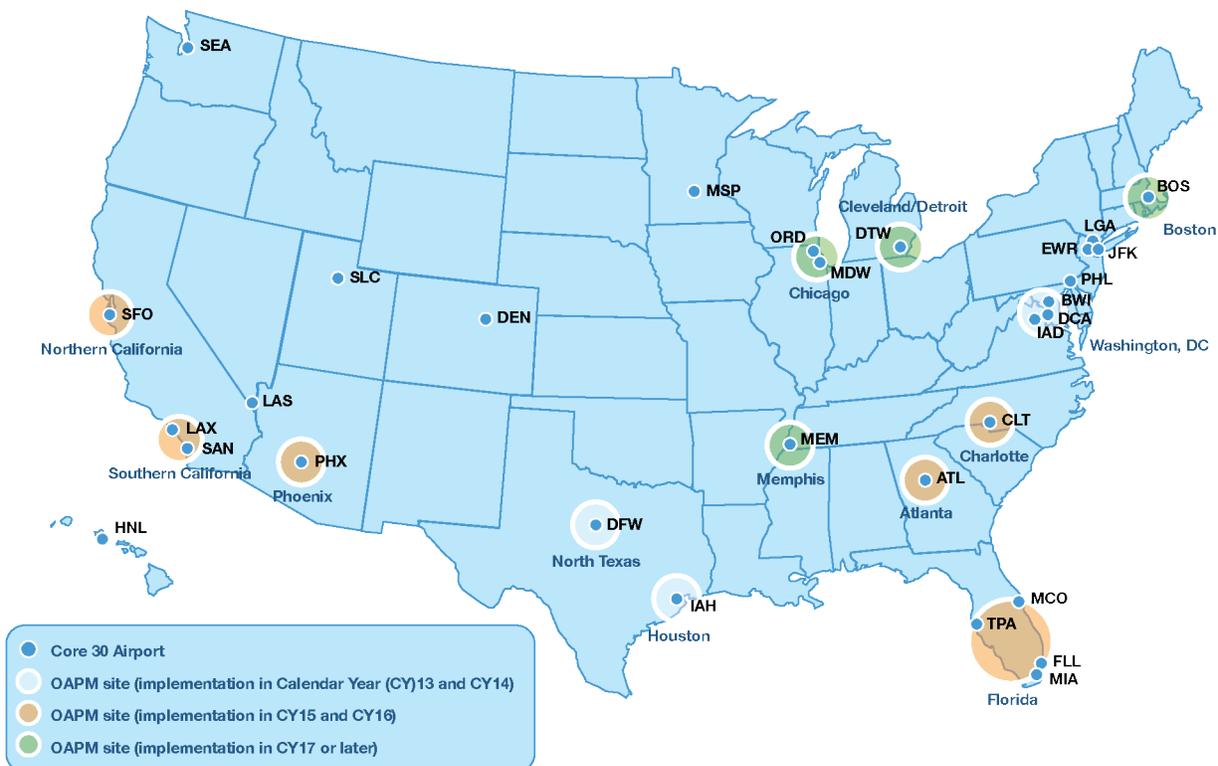
The FAA has identified 13 metroplexes—geographic areas that include several commercial and general aviation airports in close proximity serving large metropolitan areas. Airspace congestion and other limiting factors, such as environmental constraints, combine to reduce efficiency in those areas.

By optimizing airspace and procedures in the metroplex, the FAA provides solutions on a regional scale, rather than focusing on a single airport or

set of procedures. The optimization plan takes into account all airports and airspace that support each metropolitan area as well as how air traffic in those areas interacts with other metroplexes. It considers myriad factors including safety, efficiency, capacity, access and environmental impact.

Using a consistent, repeatable approach, study teams of FAA and aviation community experts analyze the operational challenges of metroplexes and explore airspace and procedures optimization opportunities. Collaborative design and implementation teams then put in place the solutions the study teams recommend, including performance-based navigation procedures and airspace redesign.





- ATL Hartsfield-Jackson Atlanta International
- BOS Logan International
- BWI Baltimore/Washington International Thurgood Marshall
- CLT Charlotte Douglas International
- DCA Ronald Reagan Washington National
- DEN Denver International
- DFW Dallas/Ft. Worth International
- DTW Detroit Metropolitan Wayne Country International
- EWL Newark Liberty International
- FLL Fort Lauderdale-Hollywood International

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| HNL Honolulu International | MIA Miami International |
| IAD Washington Dulles International | MSP Minneapolis-St. Paul International |
| IAH George Bush Intercontinental | ORD O'Hare International |
| JFK John F. Kennedy International | PHL Philadelphia International |
| LAS McCarran International | PHX Phoenix Sky Harbor International |
| LAX Los Angeles International | SAN San Diego International |
| LGA LaGuardia | SEA Seattle-Tacoma International |
| MCO Orlando International | SFO San Francisco International |
| MDW Midway International | SLC Salt Lake City International |
| MEM Memphis International | TPA Tampa International |

