

NextGen NextGen Performance Snapshots

When a traveler plans a trip or when an airline operator plans air service, they look at the origin and destination of the flight. These are viewed in terms of pairs of cities. In measuring city-pair performance, the FAA looks at flights that either originate or conclude at a specific metroplex — metropolitan areas with multiple airports and complex air traffic flows.

Average Airborne Time (FY)

This metric is measured as Minutes

During reportable hours at the destination airport, the average Airborne Time for flights between the selected city pair. The reportable hours vary by airport and the results are reported by fiscal year. Additional reportable hour information can be found in the airport information section of the [Reference Guide](#).

Origin	Destination	2009	2010	2011	2012	2013	2014	2015	2016	2017
DFW	IAH	44.0	43.9	42.4	43.0	42.3	42.7	43.0	43.5	42.3

Effective Gate-to-Gate Time (FY)

This metric is measured as Average Minutes per Flight

During reportable hours at the destination airport, the difference between the Actual Gate-In Time at the destination airport and the Scheduled Gate-Out Time at the origin airport. Flights may depart outside reportable hours, but must arrive during them. The reportable hours vary by airport and the results are reported by fiscal year (FY).

Origin	Destination	2009	2010	2011	2012	2013	2014	2015	2016	2017
DFW	IAH	74.6	72.5	69.9	75.3	74.8	78.2	78.1	80.6	74.5

Airborne Distance (FY)

This metric is measured as Nautical Miles

During reportable hours at the destination airport, the average airborne distance of flights between the selected city pair. The reportable hours vary by airport and the results are reported by fiscal year (FY). Additional reportable hour information can be found in the airport information section of the [Reference Guide](#).

Origin	Destination	2009	2010	2011	2012	2013	2014	2015	2016	2017
DFW	IAH	<u>1</u>	<u>1</u>	228.1	229.5	226.7	229.6	232.0	236.5	228.0

1 No data available.

Efficiency:

As described by the International Civil Aviation Organization (ICAO), *efficiency addresses the operational and economic cost-effectiveness of gate-to-gate flight operations from a single-flight perspective. In all phases of flight, airspace users want to depart and arrive at the times they select and fly the trajectory they determine to be optimum.*

Airborne Time Predictability (FY)

This metric is measured as Minutes

During reportable hours at the destination airport, the difference between the 85th and 15th percentiles of Airborne Time for flights between the selected city pair. The reportable hours vary by airport and the results are reported by fiscal year (FY). Additional reportable hour information can be found in the airport information section of the [Reference Guide](#).

Origin	Destination	2009	2010	2011	2012	2013	2014	2015	2016	2017
DFW	IAH	9	9	8	8	8	7	7	7	7

Effective Gate-to-Gate Time Predictability (FY)

This metric is measured as Minutes

During reportable hours, the difference between the 85th and 15th percentiles of the Effective Gate-to-Gate Time metric. The reportable hours vary by airport and the results are reported by fiscal year (FY). Additional percentile and reportable hour information can be found in the [Reference Guide](#).

Origin	Destination	2009	2010	2011	2012	2013	2014	2015	2016	2017
DFW	IAH	33	34	30	36	38	42	39	42	34

Predictability:

As described by the International Civil Aviation Organization (ICAO): *Predictability refers to the ability of airspace users and Air Traffic Management (ATM) service providers to provide consistent and dependable levels of performance.*

For each city pair, an origin airport — for example, Newark Liberty International (EWR) — and a destination airport — for example, Los Angeles International (LAX) — are listed. The city pairs are unidirectional, which means the trip is measured in one direction only from origin to destination. In the example above, EWR to LAX would be measured but not LAX to EWR.

The FAA reports city pairs recommended by the [NextGen Advisory Committee](#) (NAC), a federal advisory committee made up of aviation stakeholders. All results are reported by Fiscal Year (FY), October 1–September 30.

Flights can depart outside of the reportable hours, but must arrive during the reportable hours at the destination airport. For a list of the reportable hours for each airport, please see the Reference Guide.

Core Airports within Houston Metroplex

IAH

Houston - George Bush Intercontinental Airport