

NextGen Performance Snapshots

www.faa.gov/nextgen/snapshots

Performance Snapshots

Print Email

Efficiency - Taxi in and Taxi Out Delays

Year	Delay (MIN)
2009	15
2010	14
2011	13
2012	Estimated

Wheels Down on the New NextGen Performance Snapshots

It is designed to provide reports on the performance of NextGen capabilities as they become measurable throughout the entire country and national airspace.

[Learn more»](#)

View Performance Indicators Across the National Airspace [Go >](#)

Airports

Even as we bring new airports online to NextGen initiatives, there are many airports already exploiting NextGen procedures. Here is the progress for the 30 targeted airports.

Choose

— Airport —

[View](#)

Metroplexes

We are designing hubs in the sky that can move traffic more efficiently through crowded regions. Explore the progress at the 21 targeted areas of the country.

Choose

— Metroplex —

[View](#)

Performance Comparisons

Compare two different airports or metroplexes across the country to see performance-based indicators side by side.

Compare

Airports Metroplexes

ATL - Hartsfield - Jackson Atlant

to

BOS - General Edward Lawrenc

[Compare](#)



Web-Based NextGen Performance Snapshots



FAA

April 2012



Web-NPS

The NextGen Performance Snapshots (NPS) website provides a rear-view mirror look at progress resulting from the implementation of Next Generation Air Transportation System (NextGen)-related initiatives.

The purpose of the NPS website is to ensure transparency by showing how the FAA is aligning organizational goals with actions and how it is meeting its commitments to aviation stakeholders. Those commitments are listed in Appendix B of the FAA's NextGen Implementation Plan.

The NPS focuses on locations: airports, metroplexes and airspace where NextGen initiatives have been deployed, such as the Gulf of Mexico. The initial website release includes the Core 30 airports and the 21 metroplexes, which include 77 Aviation System Performance Metrics airports and airspace areas. Measures for two key performance areas, capacity and efficiency, are reported at the airport and metroplex levels. Environmental sustainment and safety are reported at the National Airspace System (NAS) level since they are not available at the airport and metroplex level.

The NPS website is not an analytical tool (dashboard), but a reporting tool (scorecard). It will evolve progressively to integrate 11 key performance areas based on those proposed by the International Civil Aviation Organization, as well as targets and goals. A user reference provides the definitions, algorithms and data sources for the key performance areas and indicators.

March 2012 release

Key Performance Areas	Key Performance Indicators
Capacity	Peak Throughput in Instrument Meteorological Conditions; Average Daily Capacity
Efficiency	Taxi-in and out times; Taxi-in and out delays
Environmental Sustainment	Aircraft carbon emission; fuel efficiency; people exposed to significant noise
Safety	Air carrier fatality rate; General Aviation fatal accident rate; system risk event rate; total runway incursion

1 The NAS Performance page includes a short description of NAS operations and reports annual data for NAS-wide environmental sustainment and safety performance indicators.

2 The Airports pages include a short description of each airport, performance data, an airport diagram and icons representing the NextGen capabilities available at a specific airport.

3 The Metroplexes pages provide a short description of the metroplex, performance data, a satellite map of the metroplex and icons representing the NextGen capabilities implemented at a given metroplex.

4 The Performance Comparison pages show the performance of two airports or two metroplexes side by side. They also include descriptions, diagrams, satellite maps and available NextGen capabilities.

NAS-Wide Performance

Environment	Safety					
Performance Indicator	2005	2006	2007	2008	2009	2010
Aircraft CO ₂ Emissions <i>Kilograms</i>	2,27,10 ¹¹	2,30,10 ¹¹	2,34,10 ¹¹	2,13,10 ¹¹	2,01,10 ¹¹	2,11,10 ¹¹
Fuel Efficiency <i>Teragrams per Billion Kilometers</i>	4.15	4.14	4.16	4.14	4.08	4.12
People Exposed to Significant Noise <i>Number of People</i>	498,000	481,000	468,000	387,000	297,000	323,000

1

Low High

Airport Performance

Capacity	Efficiency		
Performance Indicator	2009	2010	2011
Average Daily Capacity <i>Daily Rates</i>	3,107.53	3,145.16	3,172.46
Peak Hourly Throughput (IMC) <i>Hourly Arrivals and Departures</i>	154.61	150.12	143.43



2

Low High

Metroplex Performance

Capacity	Efficiency		
Performance Indicator	2009	2010	2011
Average Daily Capacity <i>Daily Rates</i>	3,062.60	3,059.06	3,093.39
Peak Hourly Throughput (IMC) <i>Hourly Arrivals and Departures</i>	116.32	117.83	114.81



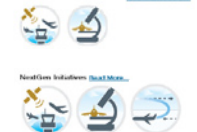
3

Low High

Performance Comparison

Capacity	Efficiency			
Performance Indicator	Airport	2009	2010	2011
Average Daily Capacity <i>Daily Rates</i>	BOS	1,391.53	1,394.30	1,391.12
	ATL	3,107.53	3,145.16	3,172.46
Peak Hourly Throughput (IMC) <i>Hourly Arrivals and Departures</i>	BOS	52.14	51.52	53.46
	ATL	154.61	150.12	143.43

BOS NextGen Initiatives [Read More...](#)



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Low High