

CAPACITY

Average Daily Airport Capacity (35 OEP Airports)



Federal Aviation
Administration

FY 2008 Performance Target

"Achieve an average daily airport capacity for the 35 Operational Evolution Partnership (OEP) airports of 101,868 arrivals and departures per day."

Flight Plan Objective and Performance Target

Objective 1: Increase capacity to meet projected demand and reduce congestion.

Performance Target: Achieve an average daily airport capacity for the 35 OEP airports of 104,338 arrivals and departures per day by FY 2011 and maintain through FY 2012.

| | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 |
|---------------|---------|---------|---------|----------------------|---------|
| Target | N/A | 99,892 | 101,191 | 101,562 ¹ | 101,868 |
| Actual | 100,041 | 101,463 | 101,932 | 102,545 ² | |

¹ In FY 2007, this target was revised from 102,595.

² Revised preliminary estimate finalized in January 2008. Original estimate was 102,539, revised to 102,545 in November 2007.

Definition of Measure

Unit of Measure: Average of daily arrival and departure rates.

Computation: Average Daily Airport Capacity is the sum of the daily hourly-called arrival and departure rates at the relevant airports per month, divided by the number of days in the month. The annual capacity level is the weighted sum of the monthly capacity levels.

Formula:
$$\frac{\text{Daily Hourly Called Arrival \& Departure Rates}}{\text{Number of Days in the Month}}$$

Scope of Measure: Only the 35 airports in the OEP are included in this measure. Each airport facility determines the number of arrivals and departures it can handle for each hour of each day, depending on conditions, including weather. These numbers are the called arrival and departure rates of the airport for that hour. Data are summed for daily, monthly, and annual totals.

Why the FAA Chooses this Measure

Growth in air travel has generally been accomplished by increasing the number of flights. Measuring the growth of airport capacity indicates the limit at which increased service can be accommodated without affecting delay.

Source of the Data

The Aviation System Performance Metrics (ASPM) database, maintained by the FAA's Office of Aviation Policy and Plans, provides the data for this metric. By agreement with the FAA, ASPM flight data are filed by certain major air carriers for all flights to and from most large and medium hubs. These data are supplemented by flight records contained in the Enhanced Traffic Management System (ETMS) and flight movement times provided by Aeronautical Radio, Inc. (ARINC). Also included within ASPM are arrival and departure rates provided by the individual facilities.

Statistical Issues

N/A

Completeness

Fiscal year data are finalized approximately 90 days after the close of the fiscal year.

Reliability

The reliability of ASPM is verified on a daily basis by the execution of a number of audit checks, comparison to other published data metrics, and through the use of ASPM by over 1500 registered users.