



Federal Aviation
Administration

Wind Rose – Appendix 2

Aircraft Data Base – Appendix 1

Update to Airport Design – AC 150/5300-13A

Industry Day

Presented to: Aviation Industry Representative

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Federal Aviation
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Wind Rose – Appendix 2

- Wind Analysis program added to the public side of FAA Airport Surveying-Geographic Information System website:

<https://airports-gis.faa.gov/public/index.html>

- NOAA no longer provides wind data in 36 segment format.
- Allowable crosswind components



Airport GIS

https://airports-gis.faa.gov/public/index.html

FAA Airport Surveying - GIS...

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Federal Aviation Administration

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 - Airport Visual Aids
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 - Phonetic Alphabet
- Airport Design Tools
 - Wind Analysis

[Login to Airports GIS web application.](#)

FAA Airport Surveying - GIS Program

Airports Geographic Information System (AGIS)

The Airports Surveying-GIS program helps the Federal Aviation Administration (FAA) collect airport and aeronautical data to meet the demands of the Next Generation National Airspace System.

Guided by Advisory Circulars, you, the airport sponsor or proponent, are a key link in the information chain. A single web app lets you access airport data and submit changes. The changes match defined business rules to ensure the proper FAA office is notified.

We hope to reduce reporting and processing time for an airport change from "up to a year" to a publication cycle or two.

The FAA is streamlining the existing survey application and integrating other aeronautical applications into a single Internet portal for submission and delivery of airport and aeronautical data. Airports GIS currently supports open data standards, enhanced workflow and tracking capabilities, automatic validation of all submitted data, and a GIS viewer.

We are developing electronic Airport Obstruction Charts and electronic Airport Layout Plans (for Phase 2). Our ultimate goal is to integrate multiple versions of the airport data: preliminary, current, planned, and temporary. And to share data with other FAA systems such as IOEAAA and eNASR. Stay tuned for future implementations.

There is a tremendous amount of work ahead, but it will be worth it. Please continue visiting to see our progress.

News & Highlights

Latest News Letter

[System Release Newsletter \(3.0\)](#)

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100%



Aircraft Data Base – Appendix 1

- **List of frequently used aircraft**
- **RDC and TDG**
- **Aircraft Characteristics Database to be incorporated into Airport Design Section of the FAA Airport-GIS System in future.**



Data Base

Table A1-1. Aircraft Characteristics Database – Sorted By Aircraft Manufacturer/Model

Manufacturer	Aircraft	RDC/TDG			Wing-span [ft (m)]	Tail Height [ft (m)]	Length [ft (m)]	CMG [ft (m)]	Wheel-base [ft (m)]	MGW [ft (m)] outer to outer	MTOW [ft (m)]	Approach Speed (kts)
Aerospatiale	Mohawk 298	B	II	3	71.9' (22 m)	20.3' (6 m)	63.3' (19 m)	21' (6 m)	-	12' (3.5 m)	23,369' (7123 m)	110
Airbus	A-318	C	III		111.9' (34 m)	41.2' (13 m)	103.2' (31 m)	43' (13 m)		31' (9 m)	130,073' (39646 m)	138
Airbus	A-319	C	III		111.9' (34 m)	38.6' (12 m)	111.2' (34 m)	44' (13 m)		30' (9 m)	141,096' (43006 m)	138
Airbus	A-300	C	IV	5	147.1' (45 m)	54.3' (17 m)	177.5' (54 m)	72' (22 m)	-	36' (11 m)	378,534' (115377 m)	135



Questions

