

Airspaces - Ground Lesson

Attention

Stay clear of class B airspace? What happened to class F?

Objective

Learn the limits of VFR and IFR conditions.

Schedule

Ground instruction – 30 minutes

Material

Class A

18000 ft MSL to 60000 ft MSL @ 29.92

VFR visibility requirements

N/A

Equipment requirements

IFR capable
Transponder
Radio

Communication requirements

Must get permission before entering

Other

IFR rating needed
IFR plan needed

Class B

https://en.wikipedia.org/wiki/List_of_Class_B_airports_in_the_United_States

VFR visibility requirements

3 SM, clear of clouds

Equipment requirements

Transponder
Radio

Communication requirements

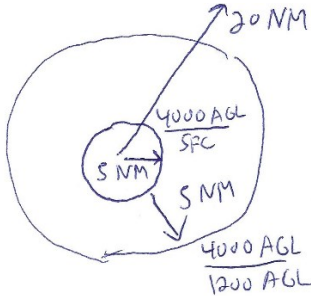
Must get permission before entering

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Other

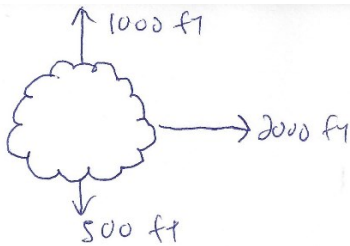
Student pilots must have an endorsement
SVFR where airports allow (1 SM, clear of clouds)

Class C



VFR visibility requirements

3 SM, 1000 ft above the clouds, 500 ft below the clouds, 2000 ft distance from clouds ('152')



Why greater spacing above the clouds than below?

Planes typically descend at 500 fpm and climb at 1000-1500 fpm
To be able to stay in good VFR visibility
It is harder to judge where the altitude of the tops vs the bottom

Equipment requirements

Transponder
Radio

Communication requirements

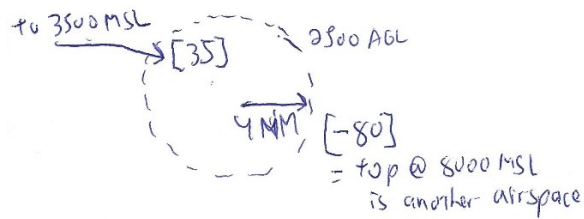
Must be in communication but do not need specific permission to enter

Other

Student pilots must have an endorsement
SVFR where allowed 1 SM, clear of clouds

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Class D



VFR visibility requirements

3 SM, 1000 ft above the clouds, 500 ft below the clouds, 2000 ft distance from clouds

Equipment requirements

Radio

Other

SVFR where airports allow (1 SM, clear of clouds)

Class E

Below class A and above the other airspaces

VFR visibility requirements

Below 10000 MSL: 1 SM, '152'

10000+ MSL:

5 SM, 1000 ft above the clouds, 1000 ft below the clouds, 1 SM distance from clouds ('5111')

Equipment requirements

None

Class G

VFR visibility requirements

Day, under 1201 AGL, any MSL: 1 SM, clear of clouds (Think Flying Wild Alaska)

Night, under 1201 AGL, any MSL: 3 SM, '152'

Day, over 1200 AGL, under 10000 MSL: 1 SM, '152'

Night, over 1200 AGL, under 10000 MSL: 3 SM, '152'

1201+ AGL, 10000+ MSL:

5 SM, 1000 ft above the clouds, 1000 ft below the clouds, 1 SM distance from clouds

Equipment requirements

None

Other

If there is a magenta boundary the airspace is surface to 700 AGL

Otherwise surface to 1200 AGL

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