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Regulations - Airspace

Teaching Airspace

Pilots and CFIs struggle with this

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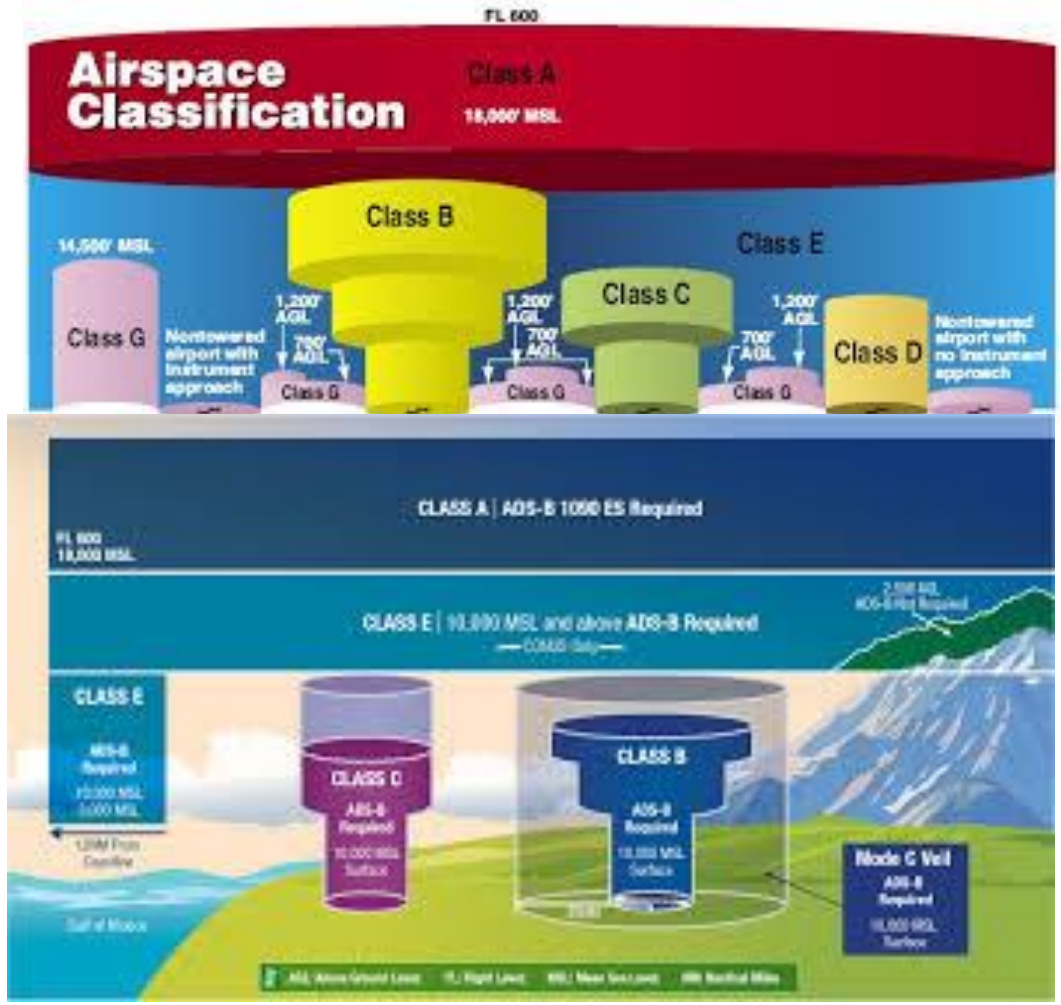
Teaching Airspace - A Systematic Approach

How NOT to teach airspace



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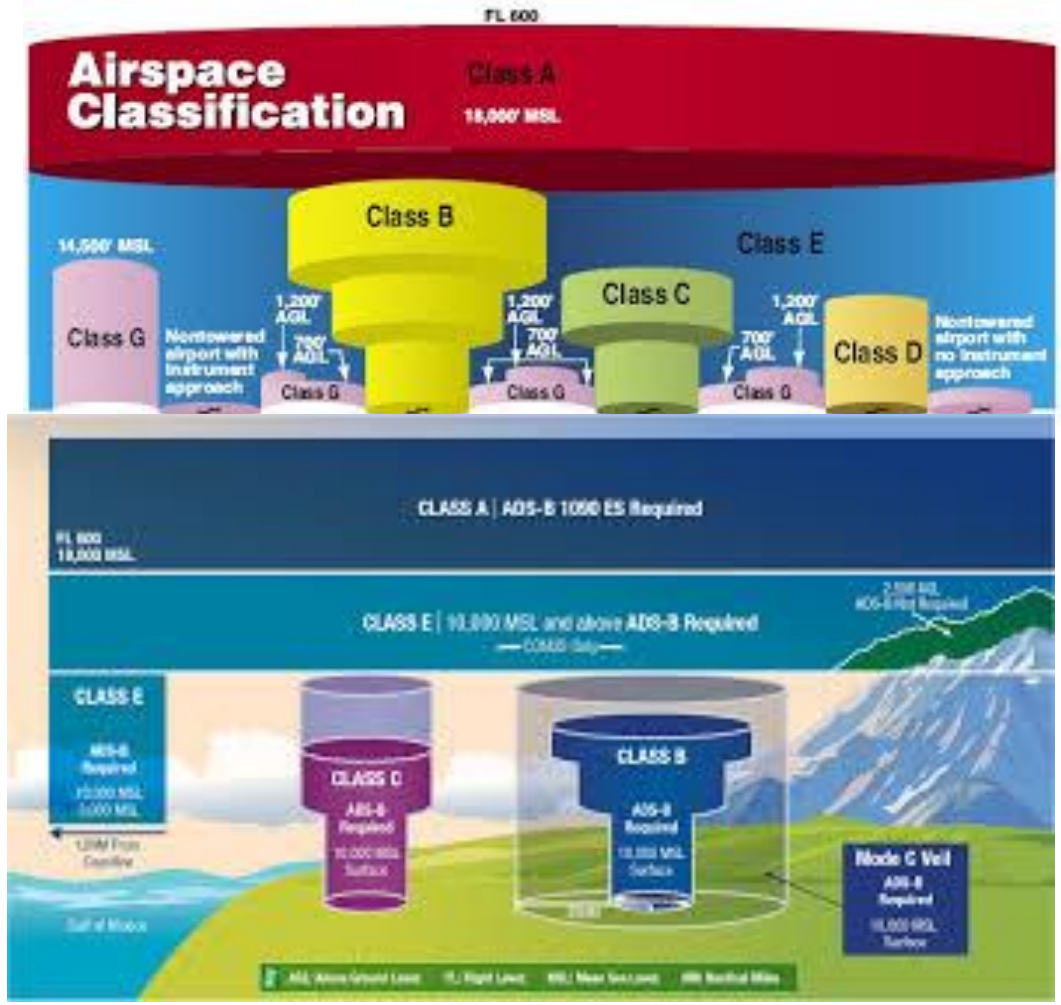
Teaching Airspace - A Systematic Approach

Showing this to someone all at once is overwhelming



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Airspace should be taught in layers

1st – Commit 5 things to memory

1 mile – Clear of Clouds

3 Miles – Clear of Clouds

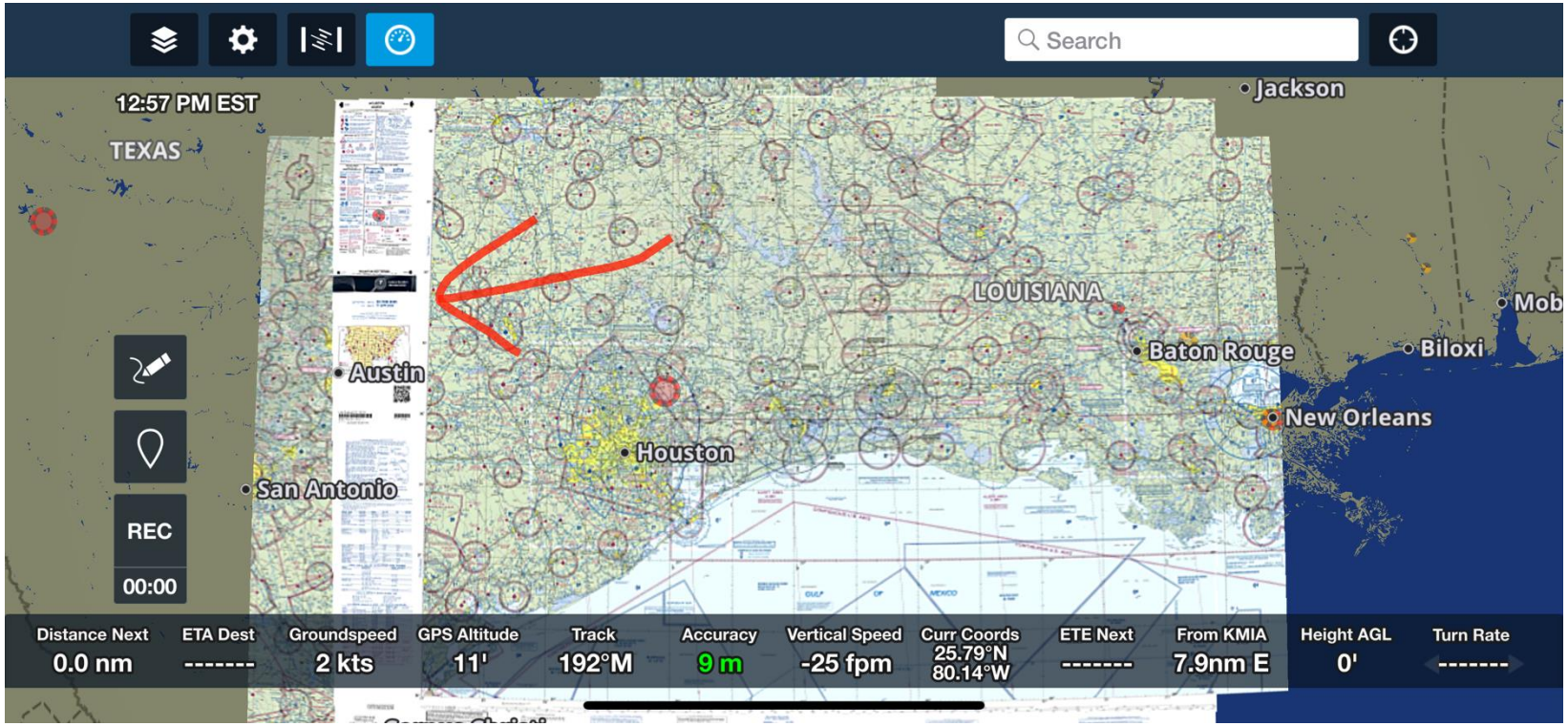
3 Miles – 500 Below, 1000 Above and 2000 Horizontally

1 mile – 500 Below, 1000 Above and 2000 Horizontally

5 miles – 1000 Below, 1000 Above and 1 mile Horizontally

These are the only possibilities

ForeFlight/Chart Legend – Identify airspace on the chart



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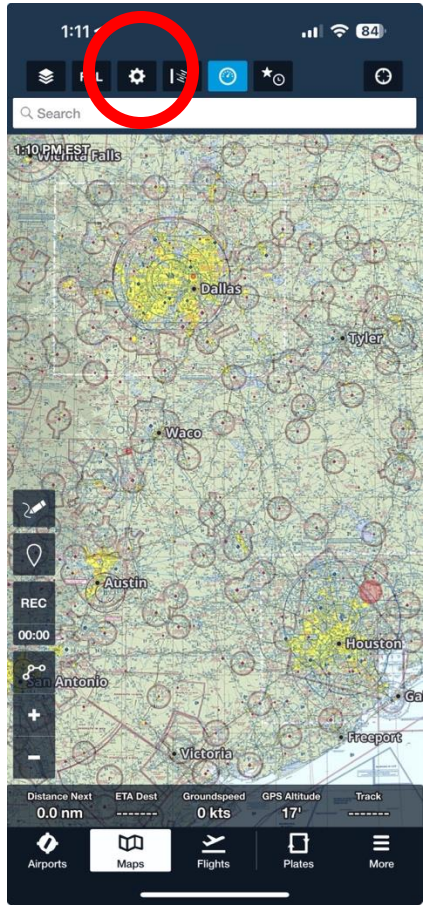
Maps Tab, select the Gear



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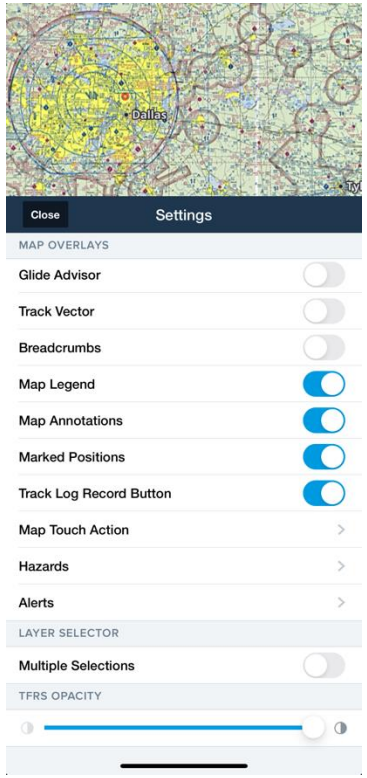
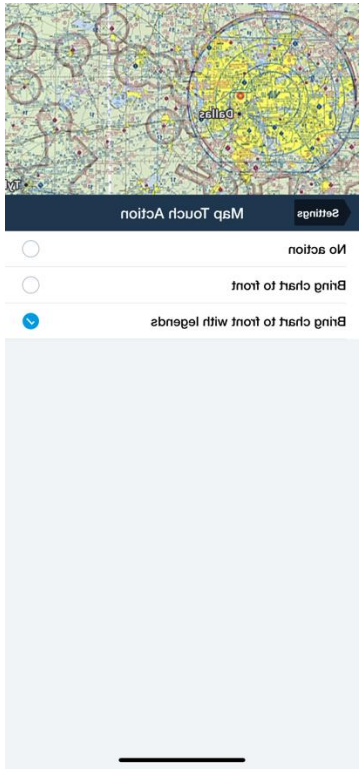
Choose Map Touch Action





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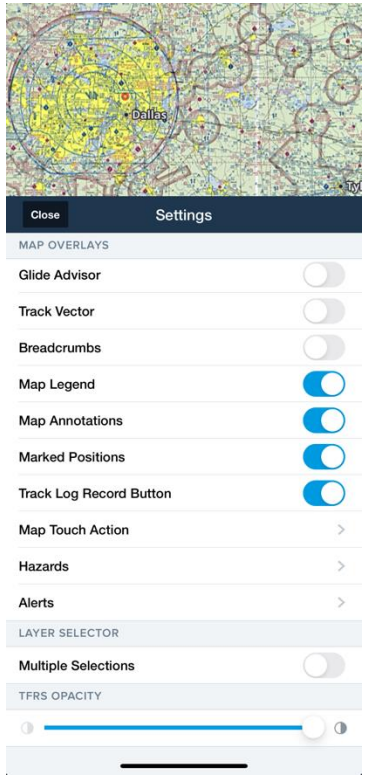
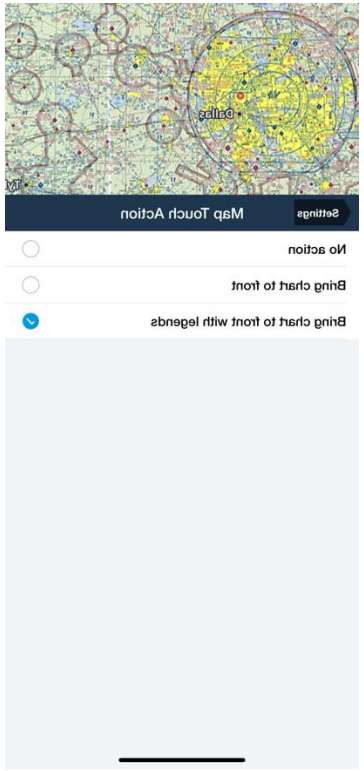
Choose – bring chart to front with legends





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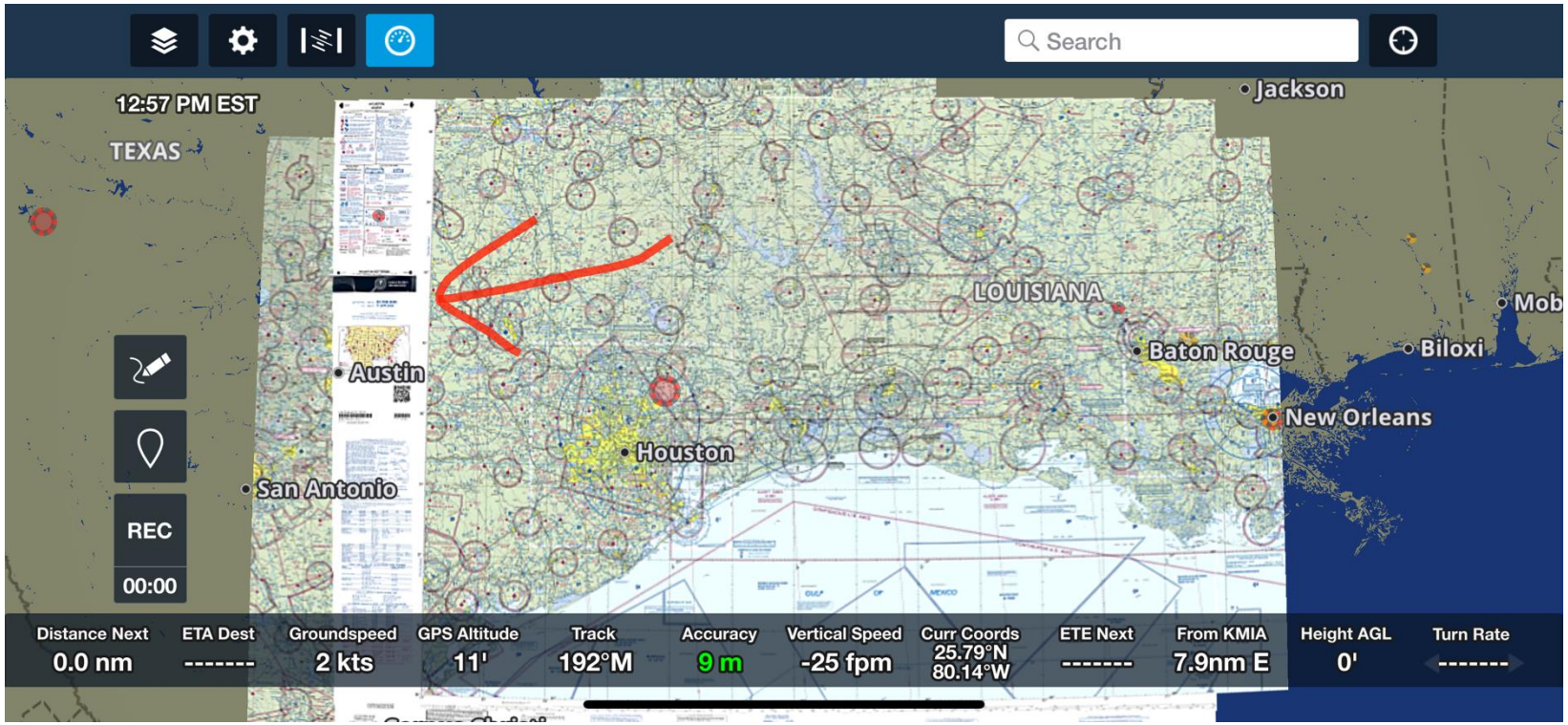
Tap on the map - the legend for that sectional appears



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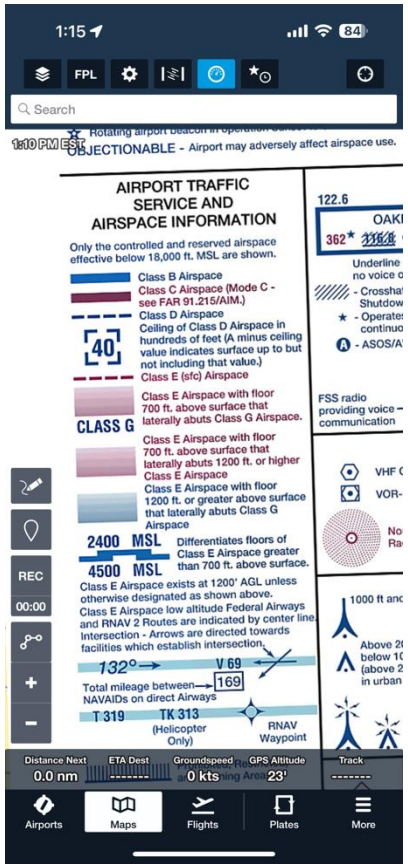
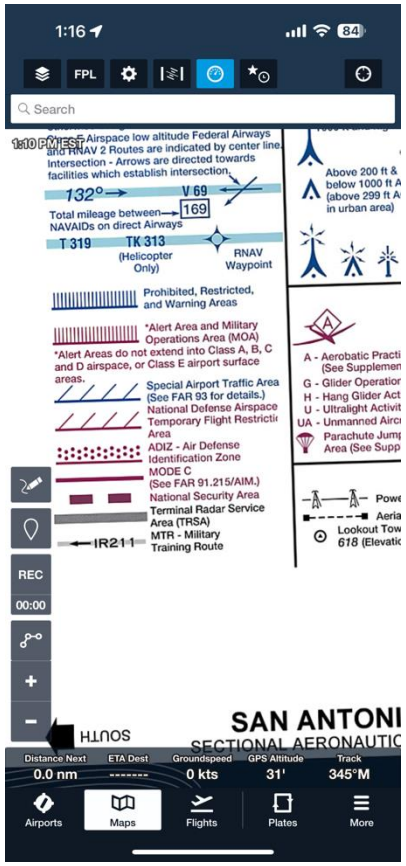
Teaching Airspace - A Systematic Approach

First Lesson - Step through the legend and identify all airspace with starting and ending altitudes





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Quiz the student by asking the airspace at various places/altitudes until there is little to no hesitation with correct responses

You can use our Airspace Flash Cards Product for the student to practice at home

Airspace Flash Cards | Instant Download - Not Paper

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Don’t leave this step until the student is proficient

Second Lesson - Layer in the pilot certificate and communications/clearances and equipment needed

Class A – Two-way, ADS-B, Clearance, IFR FP – Private Pilot

Class B – Two-way, ADS-B, Clearance – Student Pilot

Class C – Two-way, ADS-B – In/above, not below, – Student

Class D – Establish two-way – Student Pilot

Class E – ADS-B Above 10,000 MSL – Student Pilot

Class G – ADS-B Above 10,000 MSL – Student Pilot

Include ADS-B

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Quiz the student at various places/altitudes with little hesitation on the airspace and requirements

Third Lesson - Cloud clearances and visibilities for each type of airspace

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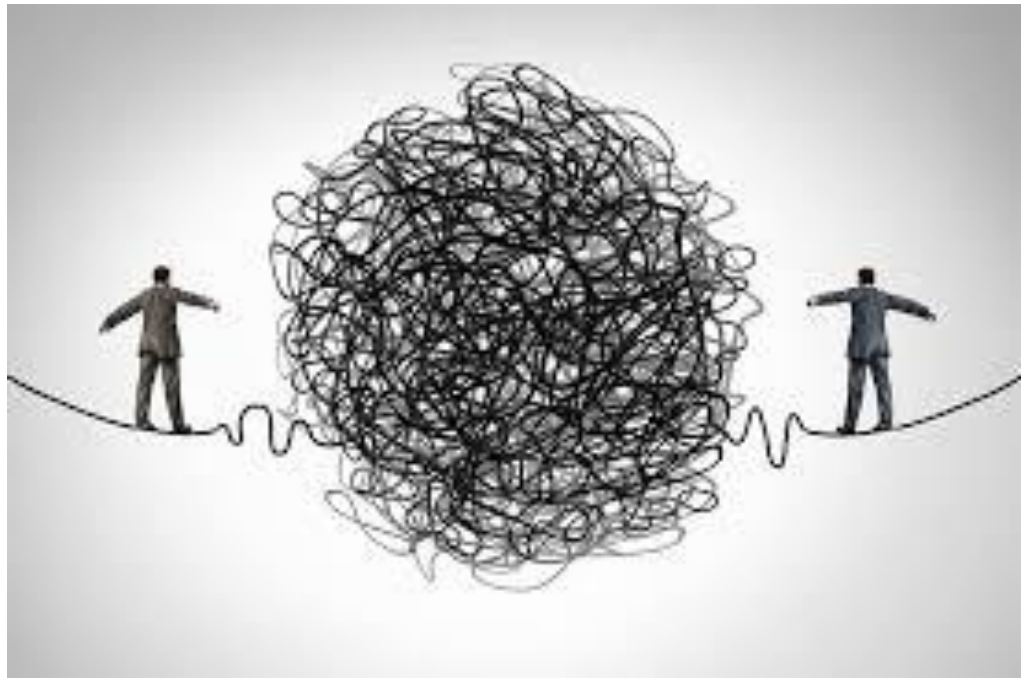
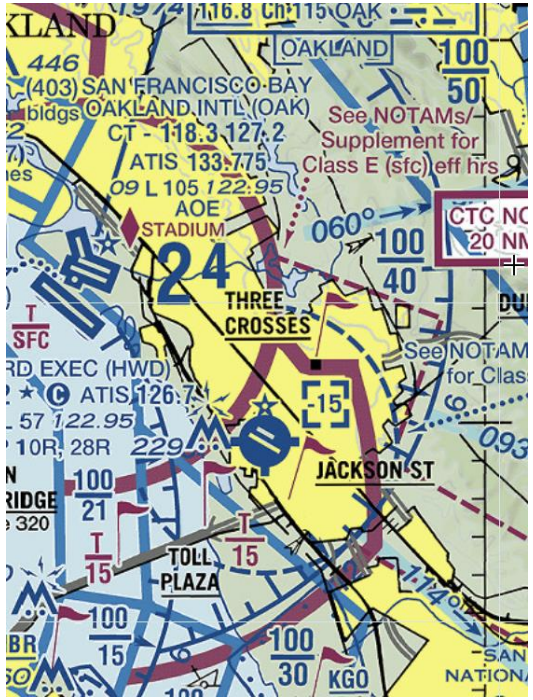
Quiz the student with the new material tying all of the airspace together with identification, requirements and cloud clearances and visibilities

Make sure the airspace is straightforward and not complicated - Bring in the exceptions and hard to determine airspace later



For example, the airspace from the surface to 10,000 MSL at KHWD or the – sign in class D



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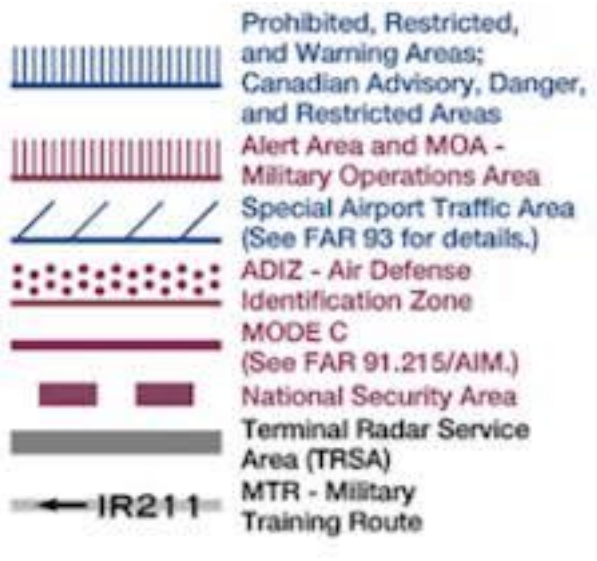
Fourth Lesson – Speed limits and Special Use Airspace



Layer in the speed limits for:

Flights above 10,000 MSL – 91.817 – Up to Mach One

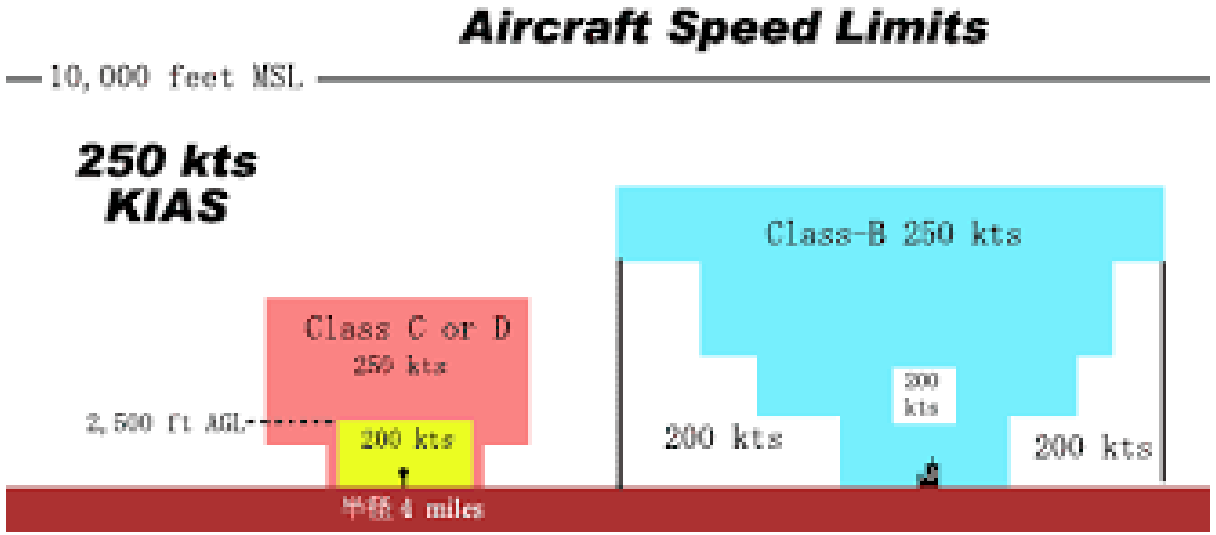
Layer in the speed limits for:

Below 10,000 MSL – 250 KIAS with Exceptions – 91.117

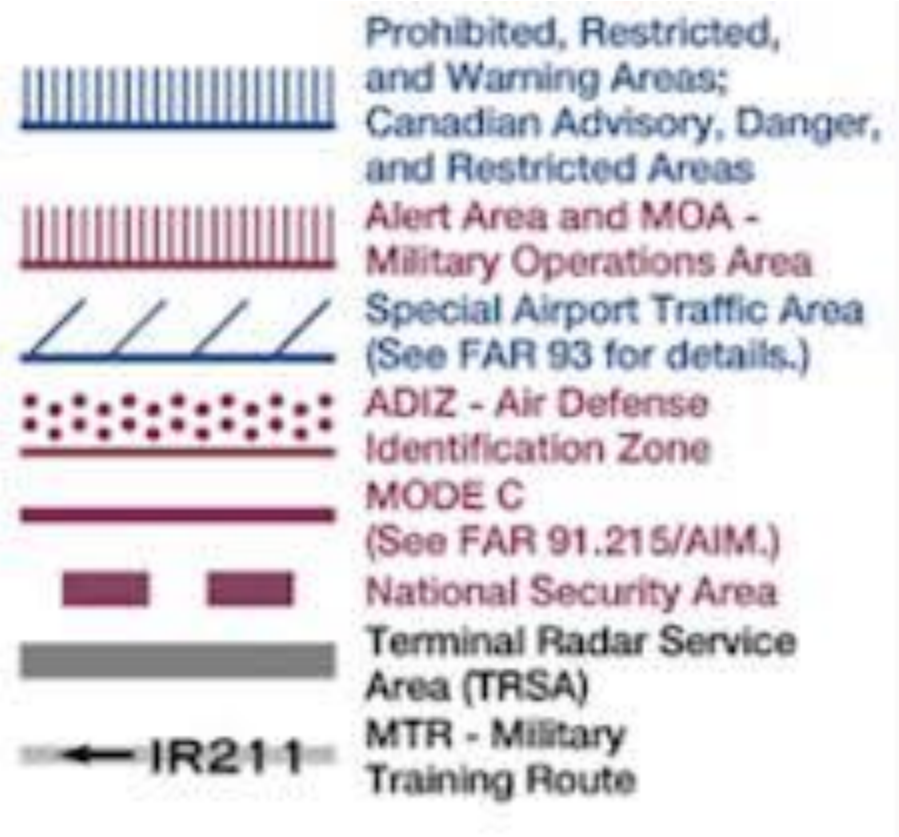
Speed limits below 10,000 MSL exceptions – 91.117:

Below Class B or in a Class B corridor – 200 KIAS

Within 4nm of Class C or D airport up to 2,500 AGL – 200 KIAS



Special Use Airspace



Alert – ADS-B above 10,000 MSL – Student Pilot

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MOA – ADS-B above 10,000 MSL – Student Pilot

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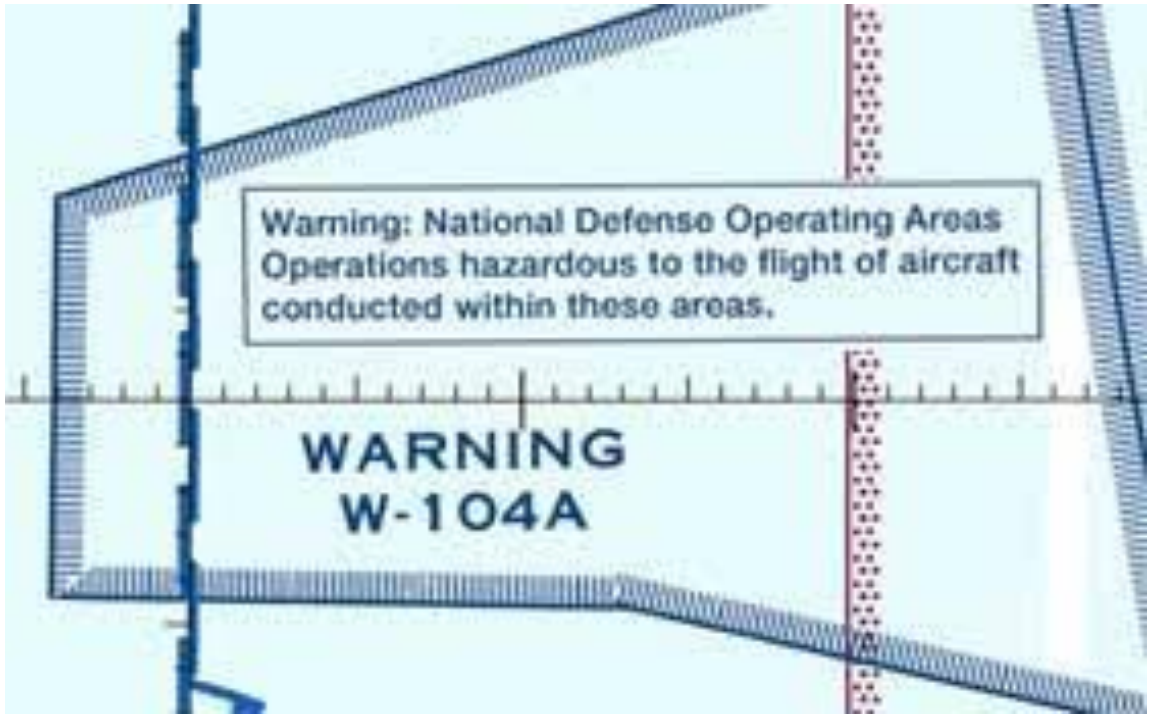
Warning – ADS-B above 10,000 MSL – Student Pilot



Restricted – ADS-B >10,000 MSL – Clearance - Student

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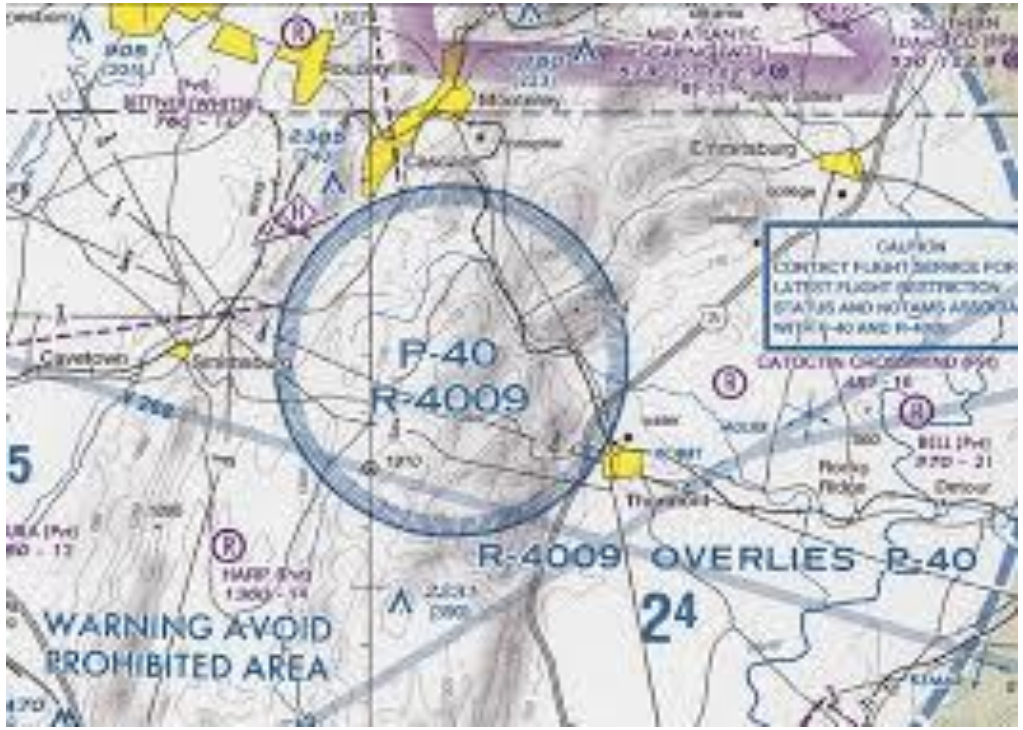
Prohibited – ADS-B – Clearance with Prior Permission - Private Pilot



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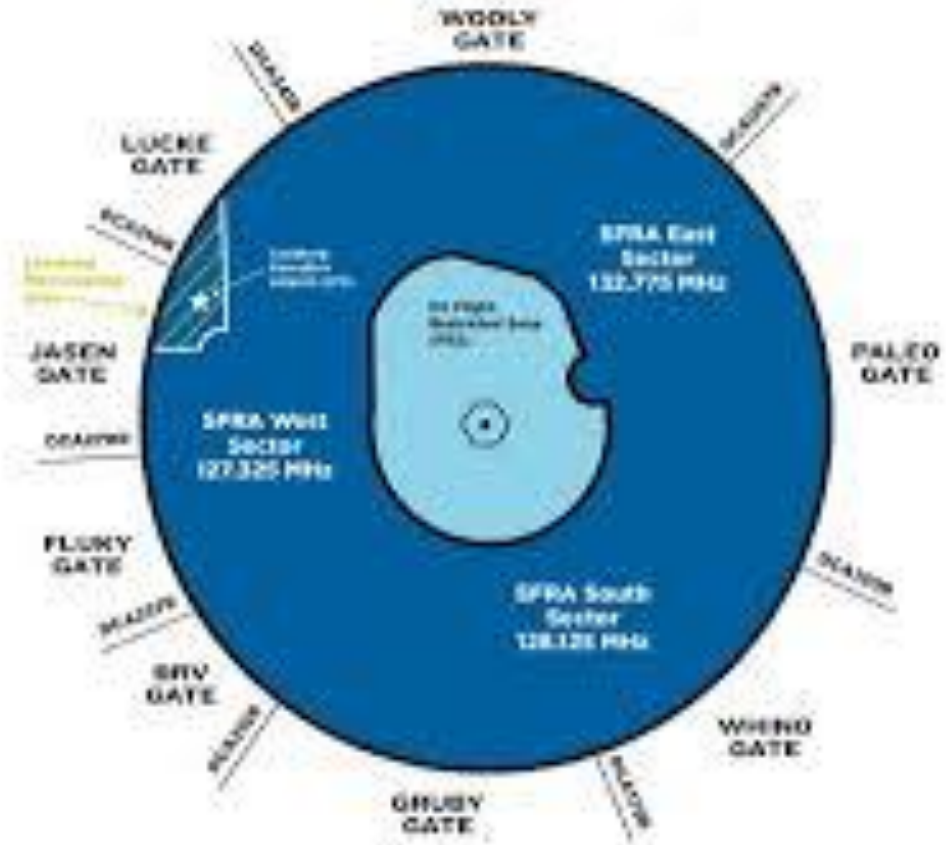
Washington SFRA – ADS-B – Flight Plan - Clearance - Student Pilot

Washington SFRA – ADS-B – Flight Plan - Clearance - Student Pilot



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Grand Canyon SFRA – See chart – Student Pilot

Controlled Firing Area – Student Pilot

TFR– Read NOTAM for requirements – Depends

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Military Training Routes – VR and IR

Four Digits – Below 1500 AGL
Three Digits – Above 1500 AGL

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The Continental Control Area

Begins at 14,500 MSL

The Continental Control Area

Developed when controllers needed to issue routing instructions without radar

The Continental Control Area

Mt. Whitney – 14,491, or so, everything else is lower

The Continental Control Area

That is why Class G doesn’t go above 14,500 MSL

Examples:

New Mexico
South Western Texas – Big Bend Area
West of Vancouver, WA
Alaska – Around the highest terrain

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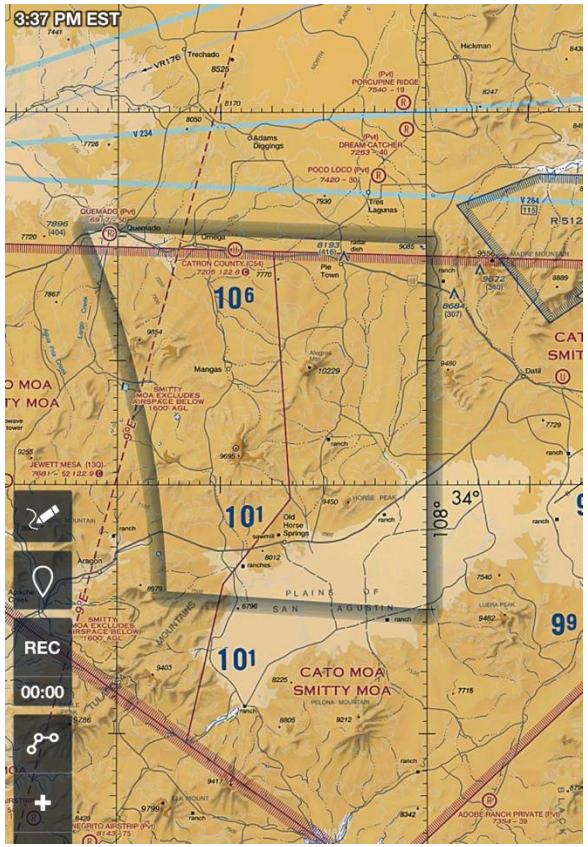
Examples:

New Mexico



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Examples:

South West Texas

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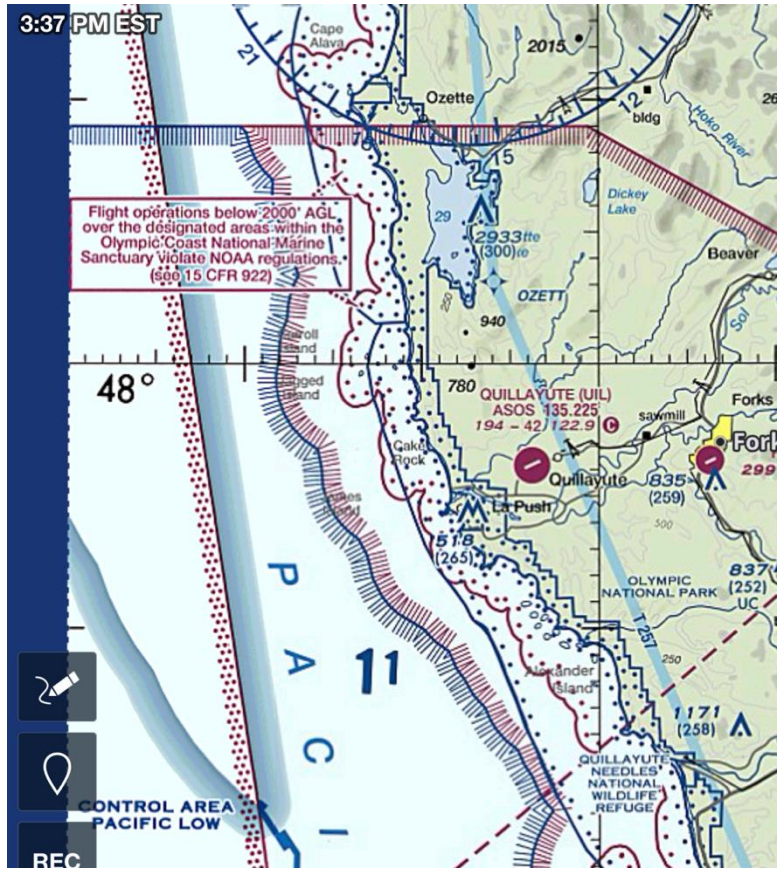
Examples:

West of Vancouver



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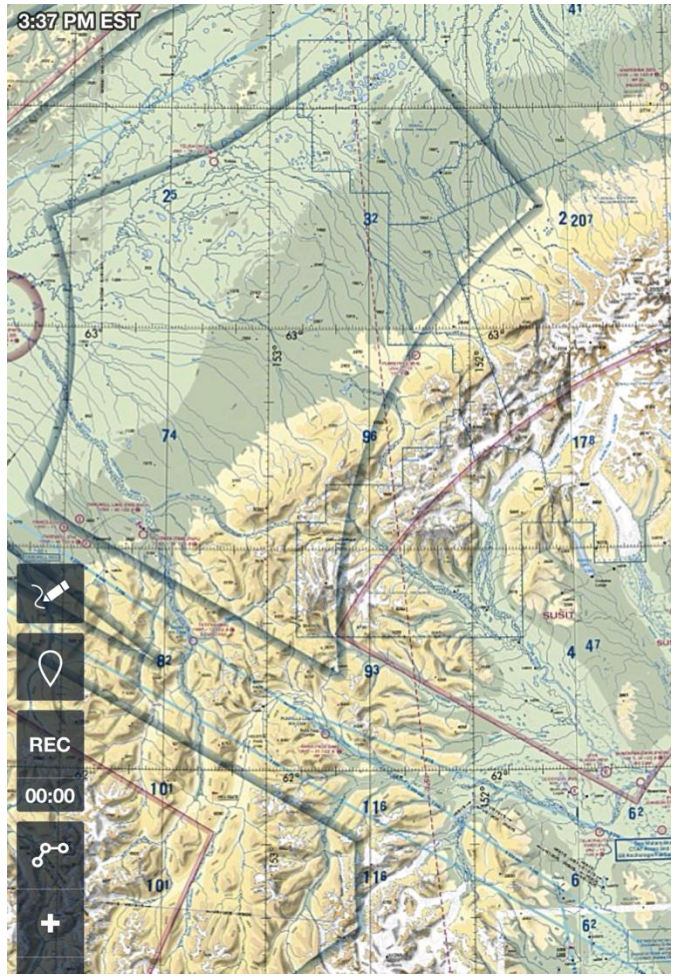
Examples:

Alaska



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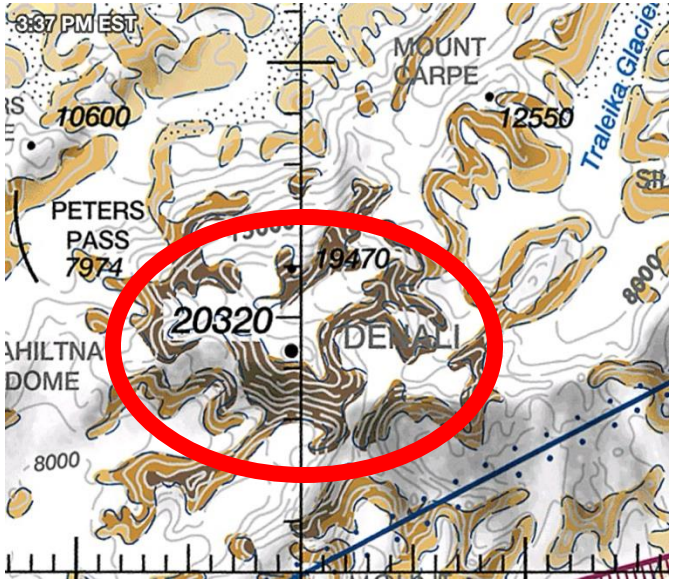
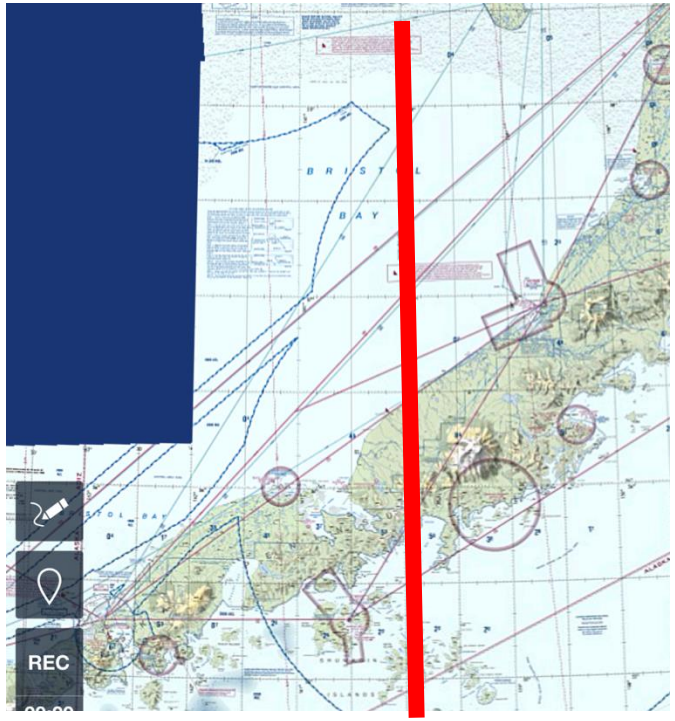
Class E airspace above 18,000 MSL?

Around the highest point in Alaska. Within 2000 AGL it's still Class E even if it's above 18,000 MSL



No Class A above 18,000 MSL?

In the Aleutian Islands from 160W, Westward - no Class A



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Deal of the Week – Power Hour People Only

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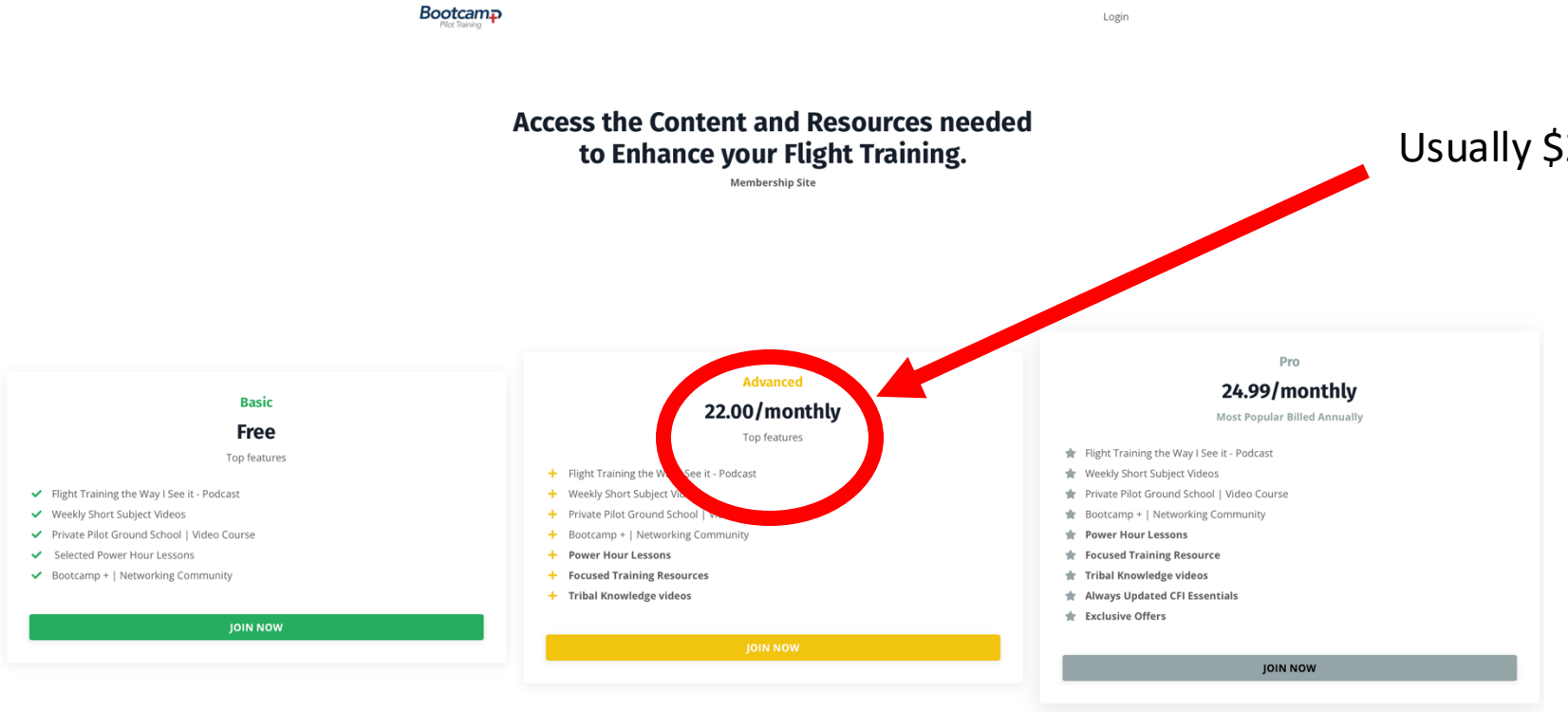

Usually $22 use Code in Chat

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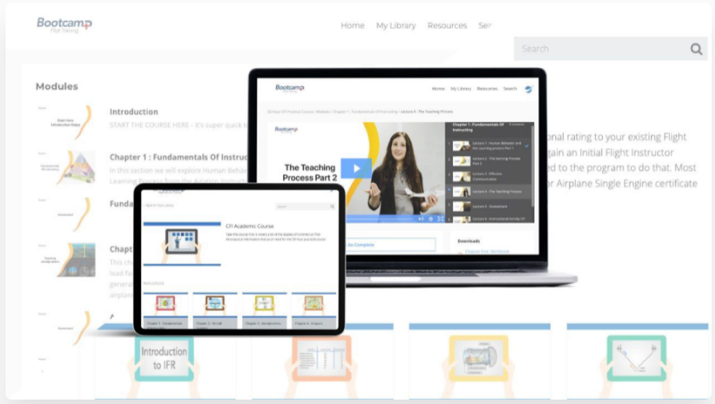

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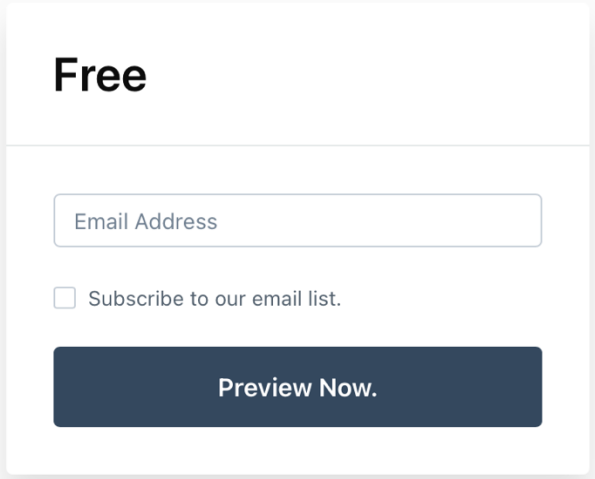

Click on the image above to see the Free Preview

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Send your fellow Pilots a link to the Power Hour!

Have them Click the link on the image – Send them this outline!

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