

## CLASS A Airspace: (71.1, 71.31, 71.33, 71.75, 71.133, 91.135, 91.155, AIM 3-2-1, 3-2-2, FAA-H-8083-25)

- 1. <u>All</u> airspace from <u>18,000</u> ft MSL (<u>FL 180</u>) up to and including <u>FL 600</u> within the 48 contiguous States, District of Columbia, most of Alaska, and the airspace within 12 NM offshore. There is no Class A airspace over Hawaii and the Victor airways have no upper limit in Hawaii.
- 2. <u>All</u> aircraft MUST be <u>IFR</u> unless otherwise authorized. No VFR (unless for purposes of lost communications).
- 3. No minimum flight visibility or distance from clouds is specified.
- 4. Altimeter setting for all aircraft operating in US controlled Class A airspace 29.92.

## CLASS B Airspace: (71.41, 91.117, 91.126, 91.127, 91.129, 91.130, 91.131, 91.155, 91.215, AIM 3-2-1, 3-2-3, 8083-25)

- 1. Surface to 7,000' (Miami) or up to as high as 12,500' MSL (Atlanta) surrounding the busiest airports.
- 2. Individually tailored upside-down wedding cakes contain all instrument approaches.
- 3. Clearance into Class B required. (91.131, Chief Counsel interp Jan 10, 2010)
- 4. VFR operations Ceiling: 1,000 ft Visibility: 3 sm Clear of Clouds (or Special VFR).
- 5. IFR operations An operable **VOR** or TACAN receiver is required. (91.131)
- 6. Unless otherwise authorized by ATC, a <u>LARGE TURBINE-POWERED</u> airplane operating to or from a primary airport in Class B airspace <u>MUST operate AT</u> or <u>ABOVE</u> the <u>FLOORS</u> of the <u>Class B</u> airspace while within the lateral limits of that area <u>even when</u> operating on a <u>visual approach</u>.
- 7. A <u>LARGE</u> (more than 12,500 lbs) <u>or TURBINE-POWERED</u> airplane shall, unless otherwise required by distance from cloud criteria, enter the <u>TRAFFIC PATTERN</u> at an altitude of at least <u>1,500' AGL</u> and maintain 1,500' AGL <u>until further descent</u> is <u>required</u> for a safe <u>landing</u>. [Noise abatement]
- 8. A <u>large</u> or <u>turbine-powered</u> airplane approaching to land on a runway served by an <u>ILS</u> shall fly <u>at or above</u> the <u>GLIDE SLOPE between</u> the <u>outer marker</u> and the <u>middle marker</u>.
- 9. Any airplane approaching to land on a runway served by a <u>VASI</u> shall maintain <u>at or above</u> the <u>glide</u> <u>slope</u> (aka glide path) <u>until</u> a <u>lower altitude</u> is <u>necessary</u> for a safe <u>landing</u>.
- 10. **Mode C veil** All aircraft operating within 30 nm of a Class B airport, from the surface to 10,000' MSL must have Mode C (unless the aircraft was originally certified without an electrical system and still does not have one).
- 11. SPEED LIMIT 250 KIAS below 10,000 feet (200 KIAS below the floor or in VFR corridor).
  - a. **250 KIAS MUST NOT BE EXCEEDED even if** you are told to "MAINTAIN BEST FORWARD SPEED."
  - b. "Maintain best (or maximum) forward speed" means "maximum or best forward \*LEGAL\* speed." ATC does not have the authority to lift the 250 below 10,000 ft speed restriction [91.117(a)]. You cannot be cleared to violate a regulation, and you cannot accept such a clearance.
  - c. If a controller assigns you 300 kts or greater inbound (10,000 ft or above), and he later descends you to 8,000 ft, it is <u>UNDERSTOOD</u> that you must <u>slow to 250 KIAS BEFORE</u> descending below 10,000.

At or above the glide slope" does not prohibit normal bracketing maneuvers above or below the glide slope for the purpose of remaining on the glide slope.

"Normal bracketing maneuvers" are maneuvers which remain within the limits of the higher and lower glide slope signals.

OpSpec C077 requires <u>commercial</u>
<u>operators</u> to <u>remain within Class B, C</u>, or
<u>D</u> airspace — or within <u>Class E</u> airspace
when within <u>35 miles</u> of the <u>destination</u>.

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## Do you have to hear the words "Cleared into Class B" when VFR?

- 1. The short answer is <u>yes</u>. You must hear the magic word "<u>cleared</u>" at least <u>somewhere</u> in the <u>instructions</u> given to you by the approach controller. Radar identification and instructions to maintain a specific altitude and heading that will put you in their airspace can no longer be considered an implicit, implied, or understood clearance into Class B (although it happens all the time). A Letter of Interpretation addressed to my good friend Bridgette Doremire from the Office of Chief Counsel dated January 10, 2010 serves to rescind previous policy.
- 2. So... if you can get a word in edgewise, always ask for confirmation, just to get it on the tape.
- 3. That being said... <u>if</u> you've been <u>radar identified</u> by the <u>approach control</u> having jurisdiction (e.g., Charlotte <u>Approach</u>; NOTE: "flight following" from "center" cannot clear you into Class B); the terms "<u>cleared as requested</u>" or even "<u>proceed as requested</u>," or a <u>clearance</u> to a specific <u>point inside</u> the <u>Class B</u> will also suffice. Example: "Citation 5CM, radar contact, remain VFR, <u>cleared direct Charlotte</u>, climb and maintain four thousand, expect 36R."
- 4. 91.131 [Operations in Class B airspace] (a)(1) "The operator <u>must receive</u> an <u>ATC clearance</u> from the ATC facility having jurisdiction for that area <u>before operating</u> an aircraft <u>in that area</u>." It <u>does NOT say</u> "The operator <u>must</u> specifically <u>hear</u> the <u>magic words</u> '<u>Cleared into Class B</u>' in that precise order..." If the frequency is totally saturated and you're truly paranoid about the magic words, then turn around and run away. Now <u>that</u> will get their attention!:o)