



ATC Zero in Class A Airspace: Is It Dangerous?

IFALPA has issued a new safety bulletin this week expressing concerns that existing US FAA contingency procedures that allow aircraft to continue using Class A airspace during 'ATC Zero' events are inadequate. They argue that **the procedures expose aircraft to unacceptable risk** and that more needs to be done to ensure their safety.

ATC Zero Events have become more common

Before Covid, ATC Zero events were quite rare. They'd usually only occur if controllers were forced to evacuate a facility. Fire, a force of nature, bomb threat - those sorts of things.

But then Covid came along and as we all know, it is super contagious. Amidst border closures and quarantine and testing rules, a new threat began to emerge in our skies.

ATC facilities began to be impacted by Covid infections, and short notice closures for cleaning have become a constant risk.

Last year we published an article on **how to manage ATC Zero events in Oceanic Airspace** after the New York ARTCC shut down affecting traffic crossing the NAT. The US FAA were sufficiently concerned that they published their own SAFO.

However since then the US has continued to be affected by ATC Zero events **over land** which affect **large portions of Class A airspace**, often for hours at a time.



Covid cleaning can take hours.

What the FAA have to say about it

The FAA are satisfied that it is safe for aircraft to continue using Class A airspace when no ATC services are available, as long as you follow contingency procedures.

What contingency procedures?

Well, they can be broken down into two parts.

1. When an ATC Zero event is scheduled, a NOTAM will be published. It will restrict traffic to specific routes through the affected airspace which contain compulsory reporting points. If you don't intend to fly the prescribed routes, you're not allowed in.
2. TIBA - Traffic Information Broadcasts by Aircraft. The FAA expects you to use them. Recent feedback from members who have operated under these conditions indicate that many aircraft either don't know, or are choosing not to use them while operating in ATC Zero airspace. That in itself is concerning.

FDC 1/0433 ZJX PART 1 OF 4 FL...AIRSPACE NOTICE HILLIARD, FL...ATC SERVICES AT JACKSONVILLE ARTCC ARE TERMINATED FM 2101042120 TO 2101050020. FLT PLANNING THRU JACKSONVILLE ARTCC FIR ARE ADZ THAT AIR TFC SERVICES WILL NOT BE PROVIDED AND IFR OPS WI THE FIR WILL BE RESTRICTED. ALL IFR DEP FM WI JACKSONVILLE ARTCC FIR WILL BE STOPPED AT 2050. IFR ENTRY FM ADJ ATS PROVIDERS AND ARTCC FIRS WILL NOT BE ACCEPTED, EXC FOR THE FOLLOWING: OVER FLTS THRU JACKSONVILLE ARTCC FIR: NB IFR OPS BTN MIAMI ARTCC FIR AND ATLANTA ARTCC FIR VIA WAKKO Q77 TEUFL WIGVO AT AN ODD ALT. ONLY NON-SURVEILLANCE SEPARATION WILL BE PROVIDED BTN WAKKO AND WIGVO. NO ATC COM WILL BE AVBL BTN WAKKO AND TEUFL. TFC INFO BCST BY ACFT (TIBA) 135.45 BTN WAKKO AND TEUFL. SB IFR OPS BTN ATLANTA ARTCC FIR AND MIAMI ARTCC FIR VIA YUESS Q79 DOFFY Q79 MOLIE Q79 WULFF AT AN EVEN ALT. ONLY NON-SURVEILLANCE SEPARATION WILL BE PROVIDED BTN YUESS AND MOLIE. NO ATC COM WILL BE AVBL BTN YUESS AND 35NM N MOLIE. TFC INFO BCST BY ACFT (TIBA) 128.42 BTN YUESS AND 35NM N MOLIE.

Part of a sample NOTAM with required routes through ATC Zero airspace. How's that head ache?

So what exactly are the TIBA procedures?

You can find them in ICAO Annex 11, or buried in lengthy NOTAMs if you prefer your procedures capitalised, abbreviated and

barely punctuated.

Here's a quick *unofficial* rundown:

- 1.** Dial up your TIBA frequency. If you have two VHF comms, leave one on the normal ATS frequency to listen out for a controller.
- 2.** Maintain a listening watch on the TIBA frequency.
- 3.** In most cases you'll need to remember '10 minutes'. A radio call is required 10 minutes before entering the affected airspace, or if you have just taken off from an airport within the airspace as soon as you can.
- 4.** Enroute, you'll need to make routine position reports:
 - 10 minutes before crossing a reporting point
 - 10 minutes before you cross or join an airway.
 - And if your waypoints are really far apart, make a call every 20 minutes.
- 5.** If you're changing levels you need to make a radio call 2-5 minutes beforehand.

So what do you actually need to say?

The short answer: Who you are, what level you're at, where you are and where you're going next.

The slightly longer answer:

- ALL STATIONS
- *Call Sign*
- FLIGHT LEVEL
- AIRWAY (*or direct to/from*)
- POSITION AT TIME
- ESTIMATING (*next reporting point or crossing/joining airway*)
AT TIME AND FLIGHT LEVEL

Don't forget to listen

It's important to remember: When you enter Class A airspace during an ATC Zero event, **you are responsible for your own separation**. You're on your own. Which means you need to hear and be heard.

What if a conflict is likely?

There's a procedure for that too. If you can't solve the problem with right of way rules, here's what you need to do:

CONFLICT IN TIBA AIRSPACE

APPLY RIGHT OF WAY RULES FIRST. IF CONFLICT REMAINS:

DESCEND 500' (1000' IN NON-RVSM AIRSPACE ABOVE FL290)

TURN ON LIGHTS

TALK

RESUME CRUISING ALTITUDE



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So why are IFALPA worried?

For starters, there may be aircraft operating in Class A airspace **without TCAS** which greatly increases the risk of a collision. Secondly there is a lack of training standards about **how to apply the contingency procedures**. Lastly given that no one is watching, you may be exposed to **other aircraft breaching the regs**.

Until things change, they recommend you avoid the affected airspace by **flight planning around it**. If that's not practical here are their suggestions:

- Minimise the risk by taking the shortest possible path through it.
- Make sure you review the contingency procedures beforehand.
- Make sure there are no procedures in your in your manuals that will be affected by a lack of ATC.
- Submit a safety report afterwards.

The threat remains

ATC Zero events are likely to continue in the near term, along with the risks they pose. It is important that pilots take those properly into account *before* they enter affected airspace.

Love them or hate them, sticking to the contingency procedures like glue is everyone's biggest risk mitigator until new or better ones eventually come along.