

# Canada ADS-B Mandate

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## Key Points

- ADS-B became mandatory in Canadian **Class A airspace** in Aug 2023 (above FL180). It then became mandatory in **Class B airspace** (above FL125) in May 2024. Mandates in any **Class C, D and E airspace** will be determined no sooner than 2028.
- You need an antenna able to broadcast to ADS-B receivers both on the ground and in space, and you need to include some extra stuff on your flight plan.
- If you don't have ADS-B, you have to apply for an exemption online from NavCanada.

# ADS-B Out Performance Requirements Mandate



## What equipment do I need?

- A transponder with **ADS-B out capability** that meet the minimum performance standards (or better) found in this fancy document. This needs to be attached to an antenna that can broadcast to ADS-B receivers both on the ground, and in space.
- You can also find more on this in section 551.103 of the **Canadian Aviation Regulations**.

## Extra Flight Planning Requirements

- If you plan on entering airspace where the ADS-B mandate applies, there is some extra stuff you need to include in item 10b of your **ICAO flight plan** (assuming you have all the right gear on board).
- Use the code **B1** if you have ADS-B Out only, or **B2** if you have ADS-B In *and* Out.
- You'll also need to include **SUR/CANMANDATE** in item 18.
- **One other gotcha** - make sure the flight identification (flight number or aircraft reg) broadcast by your ADS-B equipment exactly matches the one used in item 7 of your flight plan. Lest there be trouble down the track!

## My ride doesn't have this fanciness. What are my options?

- NavCanada will do their best to accommodate aircraft who don't have the right gear on board, in the same way they'll work to fit non-transponder equipped aircraft into transponder mandatory airspace.
- They'll assess each application on a **first-come, first-served basis**. It takes time to figure out behind the scenes, and so you'll need to ask **at least three business days** before your flight.
- There may also be suggested re-routes to make your request possible, along with special comments to include in Item 18 of your flight plan.

- **You can apply for an exemption online, here.** If you have a number of flights to operate, you can also submit a blanket request via [service@navcanada.ca](mailto:service@navcanada.ca).

Aircraft operators and pilots who intend to operate aircraft that do not meet the Canadian ADS-B mandate within Class A airspace may submit a request for an accommodation using this form. Accommodations are intended for a single flight only and must be submitted 3 business days before flight. Accommodations will be based on the following principles: Safety of flight Air Traffic Services available in the affected airspace Impacts to other airspace users NAV CANADA will communicate the status of the accommodation via e-mail. More information is available at <https://www.navcanada.ca/en/aiceng202317.pdf>.



To enter mandated airspace without ADS-B, you'll need prior approval. Click the image above for that.

## More Info

You can find that in the Canadian AIP (ENR 1.6.3), or even better - this page from NavCanada dedicated to the ADS-B Mandate. This includes a fairly extensive FAQ section at the bottom.

**FAQ**

<p>What class of airspace is impacted as of May 16, 2024? ▾</p> <p>What are the equipment requirements effective May 16, 2024? ▾</p> <p>What are the flight planning requirements effective May 16, 2024? ▾</p> <p>What if I don't have the correct equipment? ▾</p> <p>How can I test my equipment to verify if it works with your system? ▾</p> <p>How can I request special accommodation if I won't have the correct equipment? ▾</p> <p>How can I get assistance with flight planning and/or the accommodation request form? ▾</p> <p>How can I get assistance if I am confused about my equipment and whether it conforms to the Mandate requirements? ▾</p> <p>What is the ADS-B Mandate? ▾</p> <p>Where can I find more information on the Canadian ADS-B Mandate? ▾</p> <p>When will implementation of the Canadian ADS-B mandate take effect? ▾</p> <p>Is antenna diversity a requirement? ▾</p> <p>How will the Canadian mandate differ from the FAA? ▾</p> <p>Why does Canada have different antenna performance requirements than the United States? ▾</p> <p>Who is responsible for the mandate? ▾</p> <p>Once the mandate is in effect, what will happen if an aircraft does not meet the equipage requirements? ▾</p>	<p>Why is aircraft equipage so important? ▾</p> <p>What are the safety benefits? ▾</p> <p>How does this impact the general aviation community? ▾</p> <p>How does this impact the drone operator community? ▾</p> <p>When will we start to see the benefits of equipaging? ▾</p> <p>Will there be an extra cost for using ADS-B? ▾</p> <p>How will NAV CANADA ensure the implementation goes smoothly? ▾</p> <p>What is the ADS-B Exclusion List? ▾</p> <p>How to be removed from the ADS-B Exclusion List? ▾</p>
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Have a question?

Please email [service@navcanada.ca](mailto:service@navcanada.ca)

Send us

All your Canada ADS-B questions answered!