



Serving a world in motion
navcanada.ca



Maintaining a World Safety Standard

It takes a reliable, forward-looking civil air navigation system (ANS) to guide millions of aircraft a year through more than 18 million square kilometres of airspace. That’s what we at NAV CANADA provide – with safety as the driving force behind every decision we make.

Safety first

Since NAV CANADA was founded in 1996, safety has been our top priority. We work with aviation stakeholders and partners across Canada and around the world to identify potential risks and manage them. We’ve built a company-wide safety culture that engages every single NAV CANADA employee in our aim to make air travel in Canada the safest it can be.

How we measure safety

“Loss of separation” is one of the international measures of flight safety – maintaining safe distance between two aircraft to reduce the risk of collision. All ANSPs have to keep a record of separation losses, specifically what are known as “IFR-to-IFR losses of separation per one million IFR flight hours.” **NAV CANADA has one of the world’s lowest rates of IFR-to-IFR losses of separation.**

14.4

IFR-to-IFR losses of separation per million flight hours in fiscal 2020, compared to 19.9 in 2019

100%

of IFR-to-IFR losses of separation were classified at the very lowest severity level in fiscal 2020

IFR = Instrument flight rules

18 million

square kilometres of airspace

More than

100

staffed sites across the country

45,000

airlines, air cargo operators, air charter operators, air taxis, helicopter pilots, and business and general aviation providers rely on NAV CANADA services for safe operations

Making Canada's skies safer

Apart from air navigation services that support pilots during all stages of flight, we help ensure our skies are safer:

SAFETY IS IN OUR NATURE

We've embedded safety into our corporate culture – championed by every single employee and extending to everything we do. Our Just Culture program, run jointly by management and our union, encourages employees to speak openly about safety issues so they can be addressed.

INDUSTRY-LEADING SAFETY MANAGEMENT

Our company-wide safety management system (SMS) brings together comprehensive processes and procedures for managing risk, making our approach to safety more proactive, effective, efficient and integrated. We regularly identify and track operational risks and develop strategies to reduce or manage them – whether that's working with industry partners to find solutions or honing our processes and procedures.

DATA-INFORMED SAFETY MEASURES

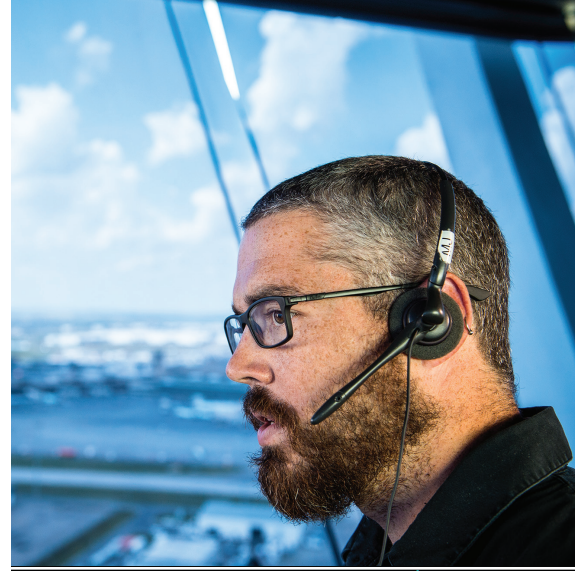
Our safety information system allows us to collect, share and analyze information related to our safety priorities, including the design of new air traffic management systems, operational training and procedures.

INNOVATION IN SPACE-BASED NAVIGATION

We were the first air navigation service provider in the world to deliver air traffic surveillance services through space-based automatic dependent surveillance–broadcast (ADS-B) technology for enhanced safety and greater situational awareness.

BROAD COLLABORATION

We work with aviation partners to proactively manage safety risks and lead international benchmarking activities to help develop safety-related best practices. We also bring stakeholders together by sponsoring the Canadian Aviation Safety Officer Partnership (CASOP), launched in 2010 to facilitate safety information sharing and collaboration among safety professionals from Canada's aviation community.



ABOUT NAV CANADA

Since 1996, NAV CANADA has been responsible for helping civil aircraft safely navigate the 18 million square kilometres of Canadian airspace and the North Atlantic oceanic airspace under Canada's control. We manage a sophisticated network of area control centres, air traffic control towers, flight service stations, flight information centres and navigation aids across the country.

For more information about NAV CANADA and Canada's air navigation system, visit navcanada.ca