

# TRANSPORT CANADA AND AIR SAFETY: OUR WORK BEHIND THE SCENES

## Airport

We make and enforce regulations to:

- keep take-off and landing zones free of obstacle
- require runways, taxiways and airport lighting to be built to appropriate standards

## Airspace

We regulate 15 million square kilometres of airspace.

## Drones

We regulate the use of unmanned air vehicles.

## Wildlife

We help minimize the risk of wildlife hits.

## Hangar

We:

- make sure Approved Maintenance Organizations meet our regulations for performing maintenance on registered aircraft
- issue Aircraft Maintenance Engineer licenses
- set aircraft manufacturing and maintenance requirements

## Control tower

We make sure that air traffic control activities meet our safety regulations.

## Air carriers

We verify that the aviation industry complies with the regulations through oversight activities.

## Flight deck

We:

- set training standards
- certify and monitor training schools and their programs
- administer yearly examinations
- set medical standards and procedures

## Pilot

We:

- review pilots' physical and mental fitness
- set flight and duty time requirements

## Aircraft certification

We:

- establish and regulate standards for Canadian aeronautical products
- guide the industry through the certification process
- ensure aircraft designs meet internationally accepted design standards
- support the industry to take corrective action

## Cabin safety

We regulate training standards for emergency procedures, evacuation and training.

We set and enforce safety rules and procedures from pre-flight briefings to the use of seatbelts and personal electronic devices.

We monitor cabin safety practices and review and approve safety features cards and passenger briefings.

## Inspections

We:

- train and delegate inspectors who promote safety and conduct over 10,000 oversight and certifications activities per month to verify that operators are following the rules
- conduct inspections of all registered and certified aerodromes, airports and heliports
- monitor industry for compliance with aviation safety rules and standards, and the effectiveness of a company's Safety Management System
- when necessary, our inspectors issue fines and suspensions

Learn more at [tc.gc.ca/civilaviation](http://tc.gc.ca/civilaviation)