

# Update from Canada

Date: 24<sup>th</sup> January 2023

Innovation Science and Economic Development (ISED), Canada's spectrum regulator, permits 5G broadband systems used on new mobile phones to operate in a frequency band close to the one used by aircraft radio altimeters. Subsequently, Transport Canada has identified the possibility of disturbance by 5G to certain existing radio altimeter models and published a Civil Aviation Safety Alert (CASA No. 2021-08) titled [Potential Risk of Interference of 5G Signals on Radio Altimeter](#)

ISED has assigned exclusion and protection zones for 43 runways (26 airports) in Canada: [List of exclusion and protection zones](#)

At airports/runways where NAV CANADA has published a CAT I ILS approach, but 5G exclusion and protection zones have not been mandated by ISED, Transport Canada has chosen to alert aircraft operators about the possibility of radio altimeter interference by issuing NOTAM. In the event of an actual radio altimeter disturbance, the aircraft operator would be expected to file a 'Radio Altimeter Disturbance/Interference Report' directly to Transport Canada after the flight as detailed in CASA 2021-08: [Interference report](#)