

The following Safety Recommendations were issued as a result of NTSB Aviation Incident Report “Taxiway Overflight Air Canada Flight 759 Airbus A320-211, C-FKCK, San Francisco, California, July 7, 2017.” Report Number AIR-18-01. Adopted on September 25, 2018. Published on October 11, 2018.

Safety Recommendation Number	Safety Recommendation Recipient	Safety Recommendation Text
A-18-023	Federal Aviation Administration	Work with air carriers conducting operations under Title 14 <i>Code of Federal Regulations</i> Part 121 to (1) assess all charted visual approaches with a required backup frequency to determine the flight management system autotuning capability within an air carrier’s fleet, (2) identify those approaches that require an unusual or abnormal manual frequency input, and (3) either develop an autotune solution or ensure that the manual tune entry has sufficient salience on approach charts.
A-18-024	Federal Aviation Administration	Establish a group of human factors experts to review existing methods for presenting flight operations information to pilots, including flight releases and general aviation flight planning services (preflight) and aircraft communication addressing and reporting system messages and other in-flight information; create and publish guidance on best practices to organize, prioritize, and present this information in a manner that optimizes pilot review and retention of relevant information; and work with air

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		carriers and service providers to implement solutions that are aligned with the guidance.
A-18-025	Federal Aviation Administration	Establish a requirement for airplanes landing at primary airports within Class B and Class C airspace to be equipped with a system that alerts pilots when an airplane is not aligned with a runway surface.
A-18-026	Federal Aviation Administration	Collaborate with aircraft and avionics manufacturers and software developers to develop the technology for a cockpit system that provides an alert to pilots when an airplane is not aligned with the intended runway surface, and, once such technology is available, establish a requirement for the technology to be installed on airplanes landing at primary airports within Class B and Class C airspace.
A-18-027	Federal Aviation Administration	Modify airport surface detection equipment (ASDE) systems (ASDE-3, ASDE-X, and airport surface surveillance capability) at those locations where the system could detect potential taxiway landings and provide alerts to air traffic controllers about potential collision risks.
A-18-028	Federal Aviation Administration	Conduct human factors research to determine how to make a closed runway more conspicuous to pilots when at least one parallel runway remains in use, and implement a method to more effectively

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		signal a runway closure to pilots during ground and flight operations at night.
A-18-029	Transport Canada	Revise current regulations to address the potential for fatigue for pilots on reserve duty who are called to operate evening flights that would extend into the pilots' window of circadian low.

October 11, 2018

Mr. Daniel K. Elwell
Acting Administrator
Federal Aviation Administration

On September 25, 2018, the National Transportation Safety Board (NTSB) adopted its aircraft incident report, *Taxiway Overflight, Air Canada Flight 759, Airbus A320-211, C-FKCK, San Francisco, California, July 7, 2017* (AIR-18/01). The details of the incident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

Among the safety recommendations are six issued to the Federal Aviation Administration, which can be found on pages 69-70 of the report.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days, detailing the actions you have taken or intend to take to implement the recommendations. When replying, please refer to the safety recommendations by number. We encourage you to submit your response to correspondence@nts.gov. If it exceeds 10 megabytes, including attachments, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.



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October 11, 2018

The Honorable Marc Garneau MP
Minister of Transport
Transport Canada

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Among the safety recommendations is one issued to Transport Canada, which can be found on page 70 of the report.

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