

## Continued Airworthiness Notification to the International Community

**To:** Civil Aviation Authorities  
**From:** Federal Aviation Administration (FAA)  
Engine and Propeller Standards Branch, AIR-6A0  
1200 District Avenue  
Burlington, MA 01803

**Date:** September 24, 2019

**Subject:** This message is to advise you of the FAA's ongoing activities related to in-flight shutdown (IFSD) events on Pratt & Whitney (PW) 1500G series model turbofan engines installed on Airbus A220 airplanes. The engine is of similar design to the PW1900G, installed on the Embraer E190-E2 airplanes, which are therefore also included in the FAA's actions.

**Accident/ Incident Description:** On July 25, 2019, an Airbus A220-300 airplane powered by a PW PW1524G-3 model turbofan engine, on a Swiss Air Lines International (Swiss Air) flight, experienced an IFSD. On September 16, 2019, an Airbus A220 airplane, also on a Swiss Air flight and powered by a PW PW1524-G engine, again experienced an IFSD. In both these events, the crew either diverted to a nearby airport or performed an air turnback and landed safely.

**Aircraft/ Engine Make, Model and Series:** PW PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan engines model turbofan engines installed on Airbus A220 airplanes and Embraer E190-E2 airplanes

**U.S.-registered fleet:** 18 engines      **Worldwide fleet:** 166 engines

**Operators:** Air Tanzania (Tanzania); AIR Baltic (Latvia); Korean Air Lines (South Korea); Air Astana (Kazakhstan); EgyptAir (Egypt); Swiss Air (Switzerland); and Wideroe Airlines (Norway).

**Ongoing activities:** The FAA is issuing an airworthiness directive to require initial and repetitive borescope inspections of the low-pressure compressor (LPC) inlet guide vanes and the LPC rotor 1 and, depending on the results of the inspection, possible repair or replacement of the LPC.

**Next update, if any:** None.

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