



SAFETY BULLETIN NR. 2 | 2025

Focus: Use of BRAKE FANS

Safety concern

Avinor has received concerns from ground service personnel regarding the use of "brake fans" (brake fans) on the aircraft stands, particularly related to possible exposure to carbon dust.

The Importance of "Brake Fans"

- **Safety during rejected takeoffs:** "Brake fans" play a critical role in ensuring cooling of the brakes after an interrupted takeoff.
- **Fire prevention:** Overheated brakes can pose a fire hazard. The use of "Brake Fans" reduces the risk of overheating and fire.
- **Carbon dust:** During braking, carbon dust can be generated from the brakes. "Brake Fans" help blow out this dust, which, according to SAS, occurs within seconds. This minimizes the risk of carbon dust exposure for ground handling personnel at the gate.

Recommendations for personnel working around aircraft with active "Brake Fans":

Use of personal protective equipment (PPE):

- **Hearing protection:** "Brake Fans" can generate noise, and it is important to protect your hearing.
- **Dust masks:** If deemed necessary, the use of dust masks is recommended to reduce the risk of carbon dust exposure.
- **Maintain distance:** Avoid standing unnecessarily close to the brakes when "Brake Fans" are in operation.

Prohibition of "Brake Fans" at the gate?

It is not an option for Avinor to prohibit the use of "Brake Fans" at the gate. This is because the fans are a safety feature that is critical to the operational safety of the aircraft. A prohibition could have fatal consequences, as it may lead to brake overheating and reduced braking performance in critical situations.

Avinor will continue to monitor the challenge surrounding carbon dust and share new information when it becomes available. Safety for both flight operations and ground personnel is our highest priority. For questions or further information, contact grp_safety@avinor.no.



This is what a pilot sees from the temp on the brakes after landing, and here it is necessary cool down