



RECORD OF CORRESPONDENCE

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Person Contacted: Kyle Schroeder
NTSB Accident Number: CEN15LA276

Narrative:

According to the airplane manufacturer, the AT-602 is a restricted category aircraft and the external equipment configuration changes frequently; there is no takeoff performance data published in the aircraft flight manual. Based flight test data, the takeoff distance for an AT-602 with a PT6A-60AG engine and the following parameters: temperature - 87 degrees F (31 degrees C), takeoff weight - 9,900 pounds, and field elevation - 50 feet mean sea level, the expected takeoff for these conditions is about 1,980 feet ground roll and a total distance of 3,300 feet to clear a 50-foot obstacle. This is calculated for an aircraft with a liquid spray system and using a flat, paved runway with no wind and a conservative piloting technique. Depending on piloting technique, it is reasonable to believe that a pilot could take off a little shorter than this. However, with a turf runway and a 5-knot tailwind, this ground roll would be expected to increase. If he had a large fertilizer spreader installed, then the takeoff roll would also be extended due to increased drag.

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