



Aviation Investigation Final Report

Location:	Schertz, Texas	Accident Number:	CEN13CA430
Date & Time:	July 13, 2013, 08:50 Local	Registration:	N137AB
Aircraft:	ALVAREZ MARVIN R RANS S-6S	Aircraft Damage:	Destroyed
Defining Event:	Loss of control in flight	Injuries:	1 Minor, 1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he had not held any kind of pilot certificate since his student pilot certificate expired about 40 years ago. He also reported that he had no record of receiving any flight instruction. During takeoff, after liftoff from the departure end of the runway, the airspeed was too slow and the airplane would not climb and would not accelerate. The airplane drifted to the left and impacted trees and terrain on the edge of the airfield property. After the pilot and passenger exited the airplane there was an explosion and the airplane was destroyed by the postimpact fire. The pilot reported no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The noncertificated pilot's operation of the airplane, which resulted in impact with terrain.

Findings

Personnel issues	Qualification/certification - Pilot
Aircraft	Directional control - Not attained/maintained
Aircraft	Airspeed - Not attained/maintained

Factual Information

History of Flight

Takeoff	Loss of control in flight (Defining event)
Takeoff	Collision with terr/obj (non-CFIT)
Post-impact	Evacuation
Post-impact	Explosion (post-impact)
Post-impact	Fire/smoke (post-impact)

Pilot Information

Certificate:	None	Age:	66
Airplane Rating(s):	None	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None None	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 200 hours (Total, all aircraft), 200 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	ALVAREZ MARVIN R	Registration:	N137AB
Model/Series:	RANS S-6S	Aircraft Category:	Airplane
Year of Manufacture:	2006	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	09041605
Landing Gear Type:	Unknown	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	ROTAX
ELT:		Engine Model/Series:	912
Registered Owner:	On file	Rated Power:	100 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KRND,762 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	08:58 Local	Direction from Accident Site:	172°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	280°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.98 inches Hg	Temperature/Dew Point:	27°C / 21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Schertz, TX (TS67)	Type of Flight Plan Filed:	None
Destination:	Schertz, TX (TS67)	Type of Clearance:	None
Departure Time:	08:50 Local	Type of Airspace:	

Airport Information

Airport:	Kitty Hawk Flying Field TS67	Runway Surface Type:	Asphalt
Airport Elevation:	860 ft msl	Runway Surface Condition:	Dry
Runway Used:	14	IFR Approach:	None
Runway Length/Width:	650 ft / 20 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Minor	Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	On-ground
Total Injuries:	1 Minor, 1 None	Latitude, Longitude:	29.622222,-98.276107(est)

Administrative Information

Investigator In Charge (IIC):	Latson, Thomas
Additional Participating Persons:	Ryan B Newman; FAA San Antonio FSDO; San Antonio, TX
Original Publish Date:	December 2, 2013
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=87549

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