



National Transportation Safety Board Aviation Accident Data Summary

Location:	Mayaguez, PR	Accident Number:	ERA10LA158
Date & Time:	03/03/2010, 1335 AST	Registration:	N514PM
Aircraft:	MONROIG PEDRO J RANS S-6S	Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The sport pilot was informed by a friend, who had landed at an intermediate airport along their planned route of flight, that there was a heavy crosswind. The friend informed the sport pilot to continue to their destination airport since he had sufficient fuel. The sport pilot elected to make an approach, which resulted in a go-around. The friend advised the sport pilot again to continue to the destination airport. The sport pilot entered a left traffic pattern and made another approach. The friend stated that the pilot's flare over the runway was fast. The nose of the airplane was observed to pitch up to a 45-degree nose high attitude. The friend instructed the pilot via radio to add power, and he heard an increase in power. The airplane reached about 75 feet above ground level and the airspeed decreased. The airplane stalled, the left wing dropped, the airplane entered a spin to the left and collided with the ground. Review of the pilot's log book revealed he had 48 total flight hours, of which 42.75 hours were with a flight instructor. The pilot had 5.25 hours as pilot-in-command. Examination of the airframe, flight controls, engine assembly, and associated components revealed no anomalies.

Flight Events

Landing-flare/touchdown - Abrupt maneuver
Landing-flare/touchdown - Loss of control in flight
Uncontrolled descent - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The sport pilot's failure to maintain adequate airspeed during landing in crosswind conditions resulting in an aerodynamic stall.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Incorrect use/operation - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Pilot Information

Certificate:	Sport Pilot	Age:	55
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	48 hours (Total, all aircraft), 25 hours (Total, this make and model), 5 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	MONROIG PEDRO J	Registration:	N514PM
Model/Series:	RANS S-6S	Engines:	1 Reciprocating
Operator:	RODRIGUEZ RICHARD	Engine Manufacturer:	Rotax
Air Carrier Operating Certificate:	None	Engine Model/Series:	912
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	TJMZ, 28 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 3000 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	10 knots/ 20 knots, 160°
Temperature:	31 °C / 22 °C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Patillas, PR (X65)	Destination:	Mayaguez, PR (TJMZ)

Airport Information

Airport:	Eugenio Maria de Hostos (TJMZ)	Runway Surface Type:	Asphalt
Runway Used:	09	Runway Surface Condition:	Dry
Runway Length/Width:	4998 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Carrol A Smith	Adopted Date:	10/21/2010
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75434		

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