

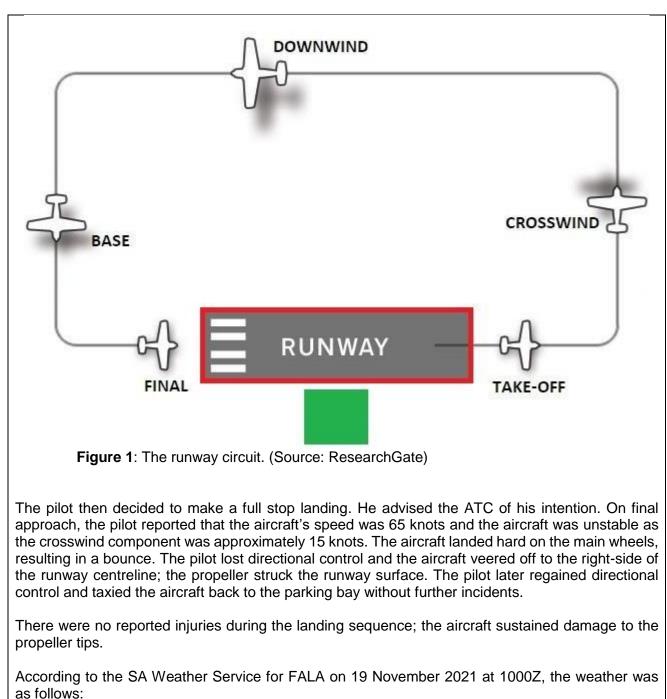


Section/division Accident and Incident Investigations Division

Form Number: CA 12-57

LIMITED ACCIDENT INVESTIGATION REPORT

Reference Numb	ber	CA1	8/2/3/1	082										
Classification Acc		cident	cident Date				19 November 2021			Time		1040Z		
Type of Operation	on	Priv	ate (Pa	rt 91)										
Location		I												
Place of Departure		Lanseria Airport (FALA), Gauteng Province			Place of Intended Landing					Lanseria Airport (FALA), Gauteng Province				
Place of Accident	1	Lan	seria Ai	rport Runwa	y 07									
GPS Co-ordinates		Longi	Longitude S 25°56'23"			Latit	atitude E 027°		°55'2	28.8"	Elevation		4517 feet	
Aircraft Informat	tion													
Registration	ZS-I	RA												
Model/Make	Ces	sna C1	72 H (Serial	Num	ber:	172-5	5840)							
Damage to Aircraft		Minor				Т	Total Aircraft Hours				4358.5			
Pilot-in-commar	nd													
Licence Type			Private Pilot Licence (PPL) (Aeroplane)				Gender Male		Male	Age 23				
Licence Valid		Yes	•	,			•							
Total Hours on Type		74.6				Т	Total Flying Hours				79.9			
People 1 + On-board		⊦ 1	Injurie	es 0		Fatalit		ies 0			Other (on ground)		0	
What Happened														
On 19 Novemb registration ZS- 07. The flight wa 91 of the Civil A The pilot comple on downwind, th knots at 350 de	IRA as c viat eted ne a	were onduc ion Re one u ir traff	engag ted ur egulatio	ed in circuit ider visual fl ons (CAR) 2 itful touch-a	trair light 2011 nd-g	ning o rules as a jo cir	exerc s (VF amen cuit o	ises at R) by d ded. n RWY	Lar lay ′ 07	nseria A and und . During	irport on ler the p the seco	Ru rovi ond	inway (isions c circuit	RWY) of Part whilst



FALA 191000Z 34010KT 250V020 9999 SCT030 24/14 Q1018 NOSIG=

Wind velocity: 340 degrees at 10 knots; Visibility: greater than 10km ; Cloud: Scattered at 3000 feet; Temperature: 24 degrees Celsius; Dew point: 14 degrees Celsius; Barometric pressure: 1018 hPA.

The following information is an extract from <u>https://www.boldmethod.com/learn-to-fly/maneuvers/how-to-safely-and-smoothly-recover-from-a-bounced-landing-smoothly-safely/</u>

What Causes A Bounce?

Bad landings usually start in the pattern. If you cannot stabilise your approach to the runway early on, it is going to be much harder to grease a landing.

There are two primary causes of bounced landings: landing hard and landing too fast

If you have a high sink rate, your natural tendency is to pull back on the yoke as you quickly approach the ground. The result? Your angle-of-attack rapidly increases, creating enough lift to

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propel your plane back into the air. The faster you are, the more this is a problem, because you can create more lift.

In addition to that, if you touch down hard, your main gear hit the pavement and rebound you back into the air.

The harder you land, the higher you will bounce.

Recovery Options

If you bounce, the first thing you should do is hold back pressure to keep the aircraft in a nose-high landing attitude. You might need to release some back pressure on the yoke or stick if your nose is too high, but do not push the nose down. If you force the nose down, you could land even harder than the first time, or worse, land on your nose gear.

As you start descending back to the runway, you might also need to add some power to reduce your descent rate. But do not over-correct with power. Adding small amounts of power is all it takes to safely reduce your descent rate for a soft touchdown.



Figure 2: A file photo of ZS-IRA. (Source: jetphotos.com)

Probable cause:

The aircraft landed hard on both main gears in a crosswind condition following an unstable approach which caused the pilot to lose control; the aircraft veered off to the right-side of the runway centreline. Later, the pilot recovered control of the aircraft and successfully taxied the aircraft to the parking bay.

Safety Action/s

None.

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Safety Message and/or Safety Recommendation/s

Safety message: Pilots are advised to execute a go-around immediately should they recognise that the approach is unstable. This will mitigation a risk of injury or damage to property.

Purpose of the Investigation

In terms of Regulation 12.03.1 of the Civil Aviation Regulations (CAR) 2011, this report was compiled in the interest of the promotion of aviation safety and the reduction of the risk of aviation accidents or incidents and **not to apportion blame or liability**.

About this Report

Decisions regarding whether to investigate, and the scope of an investigation are based on many factors, including the level of safety benefit likely to be obtained from an investigation. For this occurrence, no investigation has been conducted, and the Accident and Incident Investigations Division (AIID) has relied on the information submitted by the affected person/s and organisation/s to compile this brief report. The report has been compiled using information supplied in the initial notification, as well as follow-up information to bring awareness of potential safety issues to the industry in respect of this occurrence, as well as possible safety action/s that the industry might want to consider in preventing a recurrence of a similar accident.

This report provides an opportunity to share safety message/s in the absence of an investigation.

All times given in this report are Co-ordinated Universal Time (UTC) and will be denoted by (*Z*). South African Standard Time is UTC plus 2 hours.

Disclaimer

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This report is issued by:

Accident and Incident Investigations Division South African Civil Aviation Authority Republic of South Africa