



A00-020-7162

SOUTH AFRICAN CIVIL AVIATION AUTHORITY**ACCIDENT REPORT – EXECUTIVE SUMMARY**

Date of Accident	2 March 2000	Time of Accident	0845Z		
Aircraft Registration	ZS-LGU	Type of Aircraft	Mooney		
Pilot-in-command Licence Type	Private		Licence Valid	Yes	
Pilot-in-command Flying Experience	Total Flying Hours	74.90	Total Hours on Type	18.60	
Type of Operation	Private				
Last point of departure	Welkom				
Next point of intended landing	Welbedacht Aerodrome				
Location of the accident site with reference to easily defined geographical points (plus GPS readings if possible)					
Welbedacht Aerodrome					
Meteorological Information	According to the pilot's questionnaire, the wind varied between 01 to 10° with a surface temperature of +19C°				
Number of people on board	3	No. of people injured	Nil	No. of people killed	Nil
Synopsis	<p>The pilot stated that during landing on Runway 21 at Welbedacht Airfield with full flaps at an IAS of 80kt in gust wind conditions, he suddenly experienced a wind shear and change of wind, which caused the right-hand wing to lift violently. The pilot regained control, but the aircraft landed heavily, ballooned and rolled through a trench at the end of the runway and through the boundary fence. The undercarriage collapsed, the wing covering was damaged and the propeller damaged.</p> <p>The pilot and 2 passengers were not injured.</p>				
Probable Cause					
Wind Shear / Gust of Wind					