



Ref: 7382

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

Aircraft Registration	ZS-DSS	Date of Accident	25 July 2001	Time of Accident	1105Z
Type of Aircraft	CESSNA 172E		Type of Operation	Training	
Pilot-in-command Licence Type	Student	Age	20	Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	35.25	Hours on Type	34.25	
Last point of departure	Klerksdorp Aerodrome				
Next point of intended landing	Klerksdorp Aerodrome				
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)					
Near Tosca on the Vryburg Road.					
Meteorological Information	CAVOK				
Number of people on board	1	No. of people injured	Nil	No. of people killed	Nil
Synopsis	<p>The student pilot was on his second solo navigation flight when the accident occurred.</p> <p>The planned route for this exercise was from Klerksdorp, to Lichtenburg, DelaReyville, Bloemhof and back to Klerksdorp.</p> <p>The route from DelaReyville to Bloemhof is on a compass heading of 190°, but due to a calculation error the student pilot entered 290° on his flight logsheet.</p> <p>After about an hour of flying the student became unsure of his position and decided to land on a road in order to determine his position. During the landing on the road the right-hand wing made contact with a road sign and caused the aircraft to veer to the right off the road. The aircraft collided with trees and bushes next to the road.</p>				
Probable Cause					
<p>After a calculation error on his flightlog, the student pilot steered a heading of 290°M instead of 190°M and became unsure of his position. During the precautionary landing on a road the right-hand wing of the aircraft impacted a road sign and the aircraft veered off the road, colliding with trees and bushes.</p>					