



AIRCRAFT ACCIDENT REPORT AND EXECUTIVE SUMMARY

				Reference:	CA18/2/3/8987	
Aircraft Registration	ZS-RDG	Date of Accident	29 November 2011		Time of Accident	0620Z
Type of Aircraft	Robinson R44 Raven II – Helicopter		Type of Operation		Private	
Pilot-in-command Licence Type		Private	Age	45	Licence Valid	Yes
Pilot-in-command Flying Experience		Total Flying Hours	201.7		Hours on Type	86.1
Last point of departure		Wonderboom Aerodrome (FAWB), Gauteng Province				
Next point of intended landing		Wonderboom Aerodrome (FAWB), Gauteng Province				
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)						
East of Runway 06 at Wonderboom Aerodrome (FAWB), Gauteng Province, GPS S25°39.741 E028°13.171 Elevation 4111 feet						
Meteorological Information		Surface wind: 030°/10 knots gusting 15kts; Temperature: 22°C; Visibility: Good				
Number of people on board	1+3	No. of people injured	0	No. of people killed	0	
Synopsis						
<p>The pilot accompanied by three passengers was on a local private flight from Wonderboom Aerodrome with the intention of landing back again at Wonderboom Aerodrome.</p> <p>The pilot stated that during take-off, vertical ascent and hover he carried out the normal parameter checks and as he started the forward flight, the helicopter suddenly drifted to the right with the helicopter's nose in a nose down attitude. He then attempted to correct the situation with the left cyclic, but the helicopter sank back towards the ground. The right hand skid first made contact with the ground causing a dynamic rollover onto the right hand side.</p> <p>According to the available weather information with the surface wind direction 030°/10kt, gusting 15kt, the take-off was executed with a crosswind component of 60° from the left hand side.</p> <p>The helicopter sustained substantial damage to the skids, main rotor, tail rotor, tail boom and fuselage.</p> <p>The occupants sustained no injuries during the impact sequence.</p>						
Probable Cause						
<p>During take-off whilst in the ascent and hover with crosswind conditions from the left, the pilot lost control of the helicopter and the skids impacted the ground followed by a dynamic roll over.</p>						
IARC Date				Release Date		