

*The original of the Final Report was issued in the Slovak language.
In case of inconsistency original version in Slovak language is applicable.*



MINISTRY OF TRANSPORT, CONSTRUCTION
AND REGIONAL DEVELOPMENT
OF THE SLOVAK REPUBLIC



AVIATION AND MARITIME INVESTIGATION AUTHORITY
Námestie slobody 6, P.O.BOX 100
810 05 Bratislava 15

FINAL REPORT

on investigation of accident
of hang glider type **RELIEF 14**
Registration No **OM-H453**

Reg. No: **SKA2015006**

The investigation of occurrence has been conducted pursuant to Art. 18 of the Act No. 143/1998 on Civil Aviation (Civil Aviation Act) and on Amendment of Certain Acts and in accordance with the Regulation (EU) No. 996/2010 of the European Parliament and of the Council on investigation and prevention of civil aviation accidents and incidents, governing the investigation of civil aviation accidents and incidents.

The final report is issued in accordance with the Regulation L 13 that is the application of the provisions of ANNEX 13 Aircraft Accident and Incident Investigation to the Convention on International Civil Aviation.

The exclusive aim of investigation is to establish causes of accident, incident and to prevent their occurrence, but not to refer to any fault or liability of persons.

This final report, its individual parts or other documents related to the investigation of occurrence in question have an informative character and can only be used as recommendation for the implementation of measures to prevent occurrence of other accidents and incidents with similar causes.

A. INTRODUCTION

Operator / Owner:	private person
Type of operation:	general aviation / sport and recreational flying
Type:	hang glider RELIEF 14 (hereinafter "HG")
Registration No :	OM-H453
Take-off site:	Kráľova hoľa
Flight phase:	after the take-off
Place of accident:	Kráľova hoľa
Date and time of accident:	29.08.2015, 11 h 26 min

Note: All time data in this report are stated in the UTC time.

B. INFORMATIVE SUMMARY

On 29.08.2015 the pilot with HG, Registration No OM –H453, lost speed after the take-off. HG fell over to the right and crashed to the ground, landing in a rocky area under the level of the take-off site.

The following person was appointed for investigation of the accident:

Ing. Zdenko BIELIK

The report is issued by:

Aviation and Maritime Investigation Authority
of the Ministry of Transport, Construction and Regional Development
of the Slovak Republic

C. MAIN PART OF REPORT

1. FACTUAL INFORMATION
2. ANALYSES
3. CONCLUSIONS
4. SAFETY RECOMMENDATIONS

1. FACTUAL INFORMATION

1.1 History of the flight

The pilot started at 11:26. After the take-off HG started to slightly incline to the right and the pilot did not succeed to correct this inclination. After two seconds HG snapped into a spin and crashed on the ground, 24 m under the level of the take-off site and 270 m west of the pylon.

The accident was reported to the Aviation and Maritime Investigation Authority of the Ministry of Transport, Construction and Regional Development of SR by the authorized representative of the Light Aircraft Association of SR.

Daytime: day

Flight rules: VFR

1.2 Injuries to persons

Injury	Crew	Passengers	Other persons
Fatal	-	-	-
Serious	1	-	-
Minor	-	-	-
None	-	-	-

1.3 Damage to HG

HG was slightly damaged in the accident:

- Breaking of both tapered wings (one probably by impact on the rock on the ground and the other by impact of the pilot's body);
- Deformation of trapeze.



1.4 Other damage

No circumstances with potential claims for compensation of other damage toward a third party were notified to the Aviation and Maritime Investigation Authority.

1.5 Personnel information

Pilot:

A national of the Slovak Republic, aged of 57 years
Holder of the hang glider pilot licence ZK-B with marked validity until 14.07.2016.

Flying experience:

Total flight hours: 528 h

1.6 HG information

Type: RELIEF 14
Registration No: OM-H453
Manufacturer: QUASAR HAMAN, Czech Republic

Total operating hours since manufacture: 167 h

The certificate of airworthiness issued by the Light Aircraft Association of SR with marked validity until 15.08.2016.

1.7 Meteorological situation

The wind speed at the moment of take-off: 1.8 to 2.1 m/s, the wind direction was slightly right.

1.8 Aids to navigation

N/A.

1.9 Communications

N/A.

1.10 Aerodrome information

Place of start: 230 m west of the pylon on the hill Kráľova hoľa, altitude 1922 m.

1.11 Flight recorders

N/A.

1.12 Wreckage and impact information

HG crashed 24 m under the level of the take-off, 270 m west of the pylon.



1.13 Medical and pathological information

The pilot with serious injuries was transported by rescue helicopter to the hospital.

1.14 Fire

No fire broke out.

1.15 Survival aspects

The search and rescue operations using SAR means were not required.

1.16 Tests and research

No tests or inspection of HG parts by an expert were required.

1.17 Organizational and management information

The flight operation was performed in accordance with aeronautical standards valid in the territory of the Slovak Republic and with local rules.

1.18 Additional information

N/A.

1.19 Useful or effective investigation techniques

Standard investigation methods were used.

2. ANALYSIS

2.1. Activity of pilot

After the lift-off HG lost speed, which the pilot was unable to eliminate because of the low altitude, and HG started to fall to the ground in a right-hand turn/spiral due to the loss of lift.

3. CONCLUSIONS / CAUSE OF ACCIDENT

3.1 Findings

Pilot

- According to the submitted documentation the pilot had valid qualifications for flights with this type of HG.
- The pilot had sufficient flying experience with HG.

HG

HG had valid documentation and did not show any fault before the accident.

3.2 Causes of accident

Error in flying technique and bringing HG to crash.

4. SAFETY RECOMMENDATIONS

The final report on investigation of the air accident does not contain any recommendations.

Bratislava, 02.11.2015