



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

Air Accident and Incident Investigation Board
Nám. slobody 6, P.O. BOX.100, 810 05 Bratislava 15

Reg. No: SKA2010022

FINAL REPORT

on investigation of an air accident
of aircraft type **Antares 18S**
registration No. **D - 0074**

Date: 13.09.2010

Place: 1 km east of the municipality of Čel'adice

A. INTRODUCTION

The investigation of air accident [AA], serious incident [SI], 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.

The final report is issued in accordance with the Regulation L 13 that is the application of the provisions of ANNEX 13 Air Accident and Incident Investigation to the Convention on International Civil Aviation and 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 exclusive aim of investigation is to establish causes of an accident or serious incident and 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 the air accident have informative character and can only be used as recommendation for the implementation of measures to prevent occurrence of other air accidents and serious incidents with similar causes.

Operator / Owner:	Werner Danz, Switzerland
Type of operation:	general aviation
Type of aircraft:	Lange Flugzeugbau GmbH, Antares, 18S
Registration No:	D-0074
Take-off site:	LZNI
Flight phase:	landing run
Place of accident:	1 km east of the municipality of Čeladice N 48° 19' 23'', E 018° 15' 06''
Date and time of accident:	13.09.2010, 15:09 hrs.

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

B. INFORMATIVE SUMMARY

On 13 September 2010 at 08:00 hrs, the pilot of aircraft Antares 18S, registration No.D-0074, making a competitive flight on the FAI World Gliding Championship in Nitra (Pribina Sailplane Grand Prix 2010) performed a ground landing near the municipality of Čeladice.

The pilot of aircraft was not injured.

The following person was appointed as investigator of the air accident:

Lic. MIČEKOVÁ Jaroslava

The report is issued by:

Air Accident and Incident Investigation Board
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

During ground landing on a field in the phase of landing run, the glider touched the ground with its wing and rotated 90° from the direction of landing, whereby the glider tilted to its nose and its tail was lifted. After the arrestment the glider tail fell back to the ground.

Daytime: Day

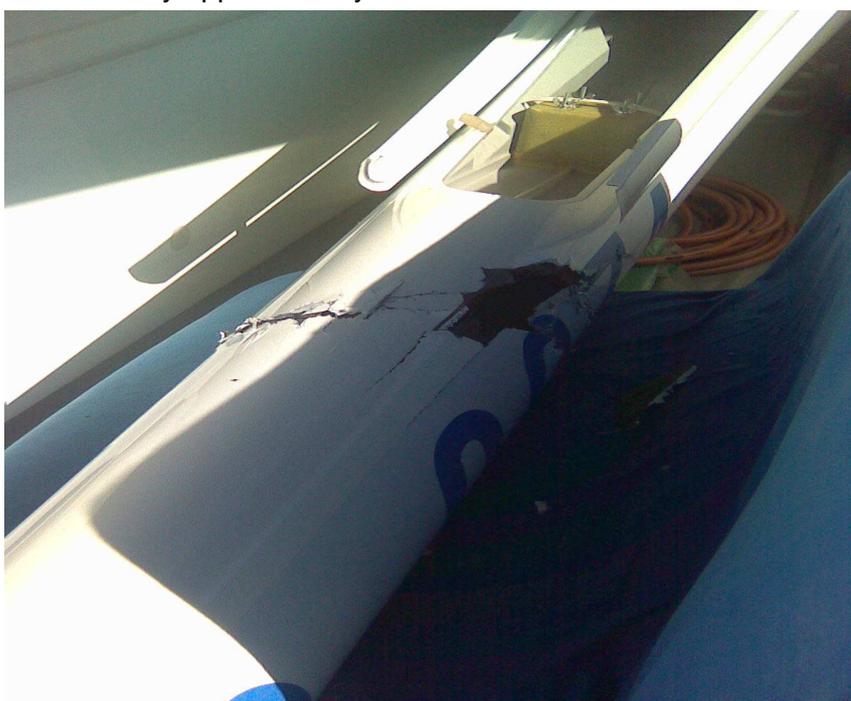
Flight rules: VFR

1.2 Injuries to persons

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

1.3 Damage to aircraft

After the accident the aircraft Antares 18S remained in one piece, with small-scale damage and rupture of the body approximately 1 m in front of the keel.



1.4 Other damages

The Air Accident and Incident Investigation Board was not informed about circumstances with potential claims for compensation of other damages toward a third party.

1.5 Personnel information

Not applicable.

1.6 Aircraft information

Not applicable.

1.7 Meteorological situation

Not applicable.

1.8 Aids to navigation

Not applicable.

1.9 Communications

The aircraft was equipped by radio communication system enabling a two-way communication with all air stations at any moment of flight.

1.10 Aerodrome information

Not applicable.

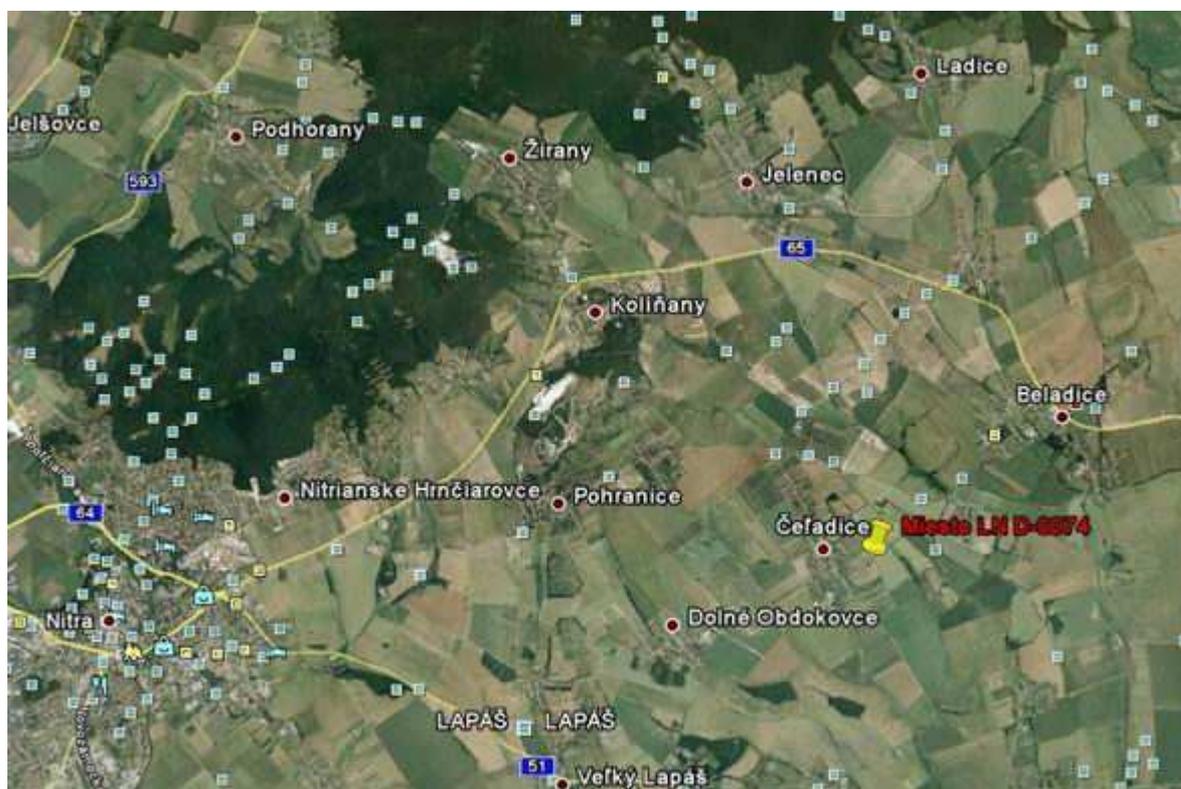
1.11 Flight recorders and other recording systems

Not applicable.

1.12 Wreckage and impact information

The aircraft landed on flat ground without major obstacles 1 km east of the municipality of Čeladice. The accident site is delimited by the geographical coordinates:

N 48° 19' 23'', E 018° 15' 06''.



1.13 Medical and pathological information

The pilot was not injured; his medical examination was not required.

1.14 Fire

Not applicable.

1.15 Survival aspects

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

1.16 Tests and research

No tests or expert inspection of the aircraft parts were required.

1.17 Organizational and management information

The flight of the aircraft was a part of the FAI World Gliding Championship in Nitra according to the programme of the approved event.

1.18 Additional information

Not applicable.

1.19 Useful or effective investigation techniques

Standard investigation methods were used.

2. ANALYSIS

The ground landing of gliders requires a thorough inspection of the chosen landing area by the pilots. The selection of the landing area must take into account its orientation to wind, but also its surface, gradient, carrying capacity and type of overgrowth. Landing on relatively unknown ground, about which the pilot is informed by a cursory look, puts increased mental requirements on the pilot. All these factors, including the change of speed, lead to glider damage in many cases.

3. CONCLUSIONS / Cause of air accident

- poor mastering of the flying technique by the pilot
- incorrectly performed landing budget (preparation to landing).

4. SAFETY RECOMMENDATIONS

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

Bratislava, 17.12.2010