



TECHNICAL & SAFETY COMMITTEE

International Skydiving Commission, FAI
Safety Report 2021

Responses



45 countries responded, from a possible approximately 80, a response rate of 56%.

The response rate was similar to previous years and has been about this rate for the 35 years of the Safety Survey.

Countries are encouraged to put in place systems for the collection of safety data.

Such data is invaluable - for use by parachuting organisations, dropzones, those involved in the areas of technical and safety matters, and when dealing with authorities.

2021 Safety Report



45 countries supplied data

6.7 million skydives were made by

1.2 million jumpers

32 people were killed skydiving in 2021

(these figures include Tandems; there were five Tandem fatalities)

1 Fatality per

Jumps 207,921

Jumpers 37,627

Fatalities



- * 3 Students (9%) 0-25 Freefalls
- * 5 Intermediate (16%) 26-250 Freefalls
- * 24 Experts (75%) 251 + Freefalls

Total - 32

- * Cutaway & Low/No Reserve pull - 2
- * No pull/low pull on main - 1
- * Others - 29

Total - 32

'Other' Fatalities (29)



■ Intentional Fast Landings	7
■ Tandem Fatalities	5
■ Other Landing Errors	4
■ Medical Issues	2
■ Incorrect Emergency Procedures	2
■ Canopy Collision	1
■ Freefall Collision	1
■ Landing Collision with another Skydiver	1
■ Collision during Deployment, after Wingsuit Flight	1
■ Out of Sequence Emer. Procedure – Main/Res. Mal.	1
■ Main/Reserve Process Interference	1
■ Incorrect Emer. Proc. – Landed two-out Downplane	1
■ Main Mal., Cutaway, Reserve Bridle caught on Skydiver's leg, Reserve remained in Bag	1
■ Psychological Issues	1

Total 29

Fatalities – Largest Groups



- 1 Intentional Fast Landings 7 – 22% of 32
- 2 Tandem Fatalities 5 – 16% of 32
- 3 Other Landing Issues 4 – 13% of 32

Canopy handling issues, in total –
13 (41% of 32 fatalities)

Significant Figures



- **OF THE 32 FATALITIES**

- ❑ 17 (53%) appear to have occurred with the parachutist having at least one good parachute on his/her back
- ❑ 14 (44%) occurred after the successful deployment of the main parachute
- ❑ 23 (72%) appear to have been caused by human error

*Three of the 2021 fatalities were First Jump Students,
One a Solo Student and two Tandem Students*

Some Trends & Issues



- * Continuing high percentage of fatalities, 13 (41% of 32) resulting from canopy handling, canopy control, and landing issues.
- * Roughly similar percentage distribution of fatalities between Student/Intermediate/Expert as in previous years . The category 'Expert Skydiver' continues to have the most fatalities, but it has by far the biggest numbers of jumps.
- * AAD and RSL are both now widely used, at all levels.

Tandem - Solo



- ❑ Tandems 15.6% of all jumps, Tandem + Solo
- ❑ 5,615,344 Solo jumps – 1,038,138 Tandems
- ❑ Tandem Fatalities 5; Solo Fatalities 27 (32 total)

Thanks & Report Distribution



Thanks are extended to all who sent data for this 2021 Safety Report.

This Report, along with the Power Point presentation, and material listed below, shall be sent by e-mail to all respondents and to all other countries for which the T&S Committee has e-mail addresses, and by e-mail to all ISC Delegates

2021 Safety Survey Report

2021 Safety Survey Report Power Point Presentation

Safety Survey 2022 Form

Safety Survey 2022 Notes

Parachuting Aircraft Incidents/Accidents Report 2022

APPEAL

Those countries who did not report for 2021 are requested to do so for 2022, especially those countries which previously have reported..

The compilation of safety data is to the benefit of the country gathering the data, and to the worldwide skydiving community.