



# AUSTRALIAN PARACHUTE FEDERATION

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## APF TECHNICAL DIRECTIVE - No. APF TD03/2018 TRACKING AND ANGLES DESCENTS Issued 17<sup>th</sup> December 2018

**SUBJECT:** APF Requirements for Tracking and Angle descents

**BACKGROUND:** Addition to regulatory documents referring to Tracking and Angle descents

### NEW PROPOSAL:

In conjunction with industry experts, the APF Technical and Safety Committee moved and supported the motion to include regulations to encompass 'Tracking and Angle Descents' into the suite of regulatory documents.

### PROPOSED CHANGES/ADDITIONS TO RS 50 – Glossary of Terms and Definitions

<b>flatfly</b>	Freefall in which the parachutist's orientation is predominantly belly-to-earth, without substantial horizontal movement (except for safe separation prior to opening).
<b>freefly</b>	Freefall in which the parachutist's orientation is predominantly vertical to the ground, head-up (HU) (standing or sitting) and/or head-down (HD) without substantial belly-to-earth or horizontal movement except for safe separation prior to opening.
<b>track</b>	Freefall in which the parachutist uses their body position to attain maximum horizontal (relative to the ground) direction.
<b>tracking descent</b>	A descent in which the majority of the freefall is spent in a track with a fall rate similar to flatfly, achieving significant horizontal movement. <i>Note: A tracking jumpsuit may be worn but these differ from a wingsuit in that they do not have the additional surface area under the arms and between the legs.</i>
<b>angle flying descent (angles)</b>	Freefall in which there is a horizontal component, but the angle is diagonal (relative to the ground), resulting in a faster fall rate than flatfly or tracking and less horizontal movement than in tracking. The horizontal component in Angles may involve several direction changes. Some parachutists call these Atmonauti/Atmo or tracing jumps.
<b>wingsuit descent (wingsuiting)</b>	A descent in which the parachutist uses a gliding jumpsuit with additional surface area under the arms and between the legs to generate significant lift during freefall, resulting in reduced fall rate with flight over large horizontal distances (relative to the ground).



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## PROPOSED CHANGE TO (OR) Part 9 REQUIREMENTS FOR SPECIFIC TYPES OF DESCENTS

### 9.9 Tracking and Angles Descents

#### 9.9.1 Tracking and Angles Prerequisites

Before commencing tracking or angles training descents, a parachutist must:

- (a) hold at least a Certificate Class B;
- (b) have equipment that is suitable for tracking or angles; and
- (c) have completed a course of instruction in tracking and navigation approved by the CI.

#### 9.9.2 Tracking and Angles Requirements

- a) Novices are permitted to take part in solo tracking or angles descents under direct supervision of DZSO.
- b) A parachutist who holds a Certificate Class B or higher may participate in 3-way tracking descents.
- c) A parachutist who holds a Certificate Class C or higher:
  - (i) may take part in an angles descent under the supervision of a CI-approved leader.
  - (ii) must have the written logbook endorsement from the CI at the intended dropzone to take part in tracking or angles descents greater than a 3-way.
- d) Tracking/Angles participants must:
  - (i) Prior to the jump, must be able to demonstrate a clear flight-path plan and understanding of the current jump-run to the DZSO.
  - (ii) hold an Australian Star Crest or a foreign equivalent acceptable to the APF in order to participate in tracking or angles jumps of more than 10 parachutists

#### 9.9.3 Leading Tracking and Angles Descents

- a) To lead a tracking or angles descent, a leader must be:
  - (i) an appointed Freefly Coach or hold a Certificate Class D; and
  - (ii) approved by the CI at the intended dropzone.
- b) To lead a tracking or angles descent with over 8 participants, the leader must be;
  - (i) an appointed Freefly Coach or have completed 300 tracking/angles jumps; and
  - (ii) approved by the CI at the intended dropzone.
- c) To be approved by the CI, the leader must demonstrate a clear understanding and knowledge of specific dropzones;
  - (i) jump runs,
  - (ii) exit order procedures,
  - (iii) possible freefall drift (knowledge of upper winds and wind shear),
  - (iv) opening locations.

If at any time the CI deems the leader “not safe” to lead, they may revoke the leaders right to do so.

#### 9.9.4 Audible Altimeter

- (a) A parachutist on any type of tracking or angles descent must wear a functioning audible altimeter.
- (b) The altimeter must be:
  - (i) approved by the manufacturer for the purpose of skydiving;
  - (ii) mounted so that it is clearly audible throughout the descent; and
  - (iii) set to indicate the height above the DZ.



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**ACTION:**

**Technical Directive 03/2018** requires members to be compliant with OR 9.9 as detailed in the above proposal.

This Technical Directive will remain in effect until the proposed changes are included in a future release of APF regulations.

**COMPLIANCE:**

Immediate

**AUTHORITY:**

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**DISTRIBUTION:**

Through APF Technical Directive system  
APF Members