

FEDERATION AERONAUTIQUE INTERNATIONALE

INTERNATIONAL PARACHUTE COMMISSION

9th WORLD PARACHUTE CUP in CANOPY FORMATION

COMPETITION RULES

Effective 01 May 2002

1. FAI AUTHORITY

1.1 The competition will be conducted under the authority granted by the FAI, according to the regulations of the Sporting Code of the FAI, General Section and Section 5, as approved by the IPC and validated by the FAI, and these Rules.

2. DEFINITIONS of words and phrases used in these Rules

2.1 Formation: Consists of jumpers and canopies linked by grips.

2.2 Grips: Consist of a hold on the front edge of the canopy, "A" lines, or front risers so that a formation is built in accordance with the diagrams.

i) **STACK** configuration: the shoulder of the upper jumper must be above the upper surface of the cell on which the grip is taken. The grip must be on the centre cell or on a line attached to the centre cell.

ii) **STAIRSTEP** configuration: the shoulder of the upper jumper must be above the upper surface on the cell on which the grip is taken. The grip must be on the front of the end cell or on the outside "A" line of the end cell which is adjacent (next to) the jumper. The grip is to be taken with the inside leg or foot and the body of the upper jumper must be on the outside of the canopy of the lower jumper.

iii) **PLANE** configuration: the head of the upper jumper must be below the lower surface of the lower canopy and the grip must be on a line attached to the centre cell.

The requirement for these configurations (i, ii, and iii above) only applies to complete formations.

iv) **INTERMEDIATE**: Stage between two formations. In the sequential event complete separation of all team members or two or more jumpers flying together as one or more pre-determined groups. Requirement: An intermediate formation must be flown and remain intact with the correct grips.

2.3 Sequence: The series of formations and intermediate requirements, which make up a jump in the Sequential event.

2.4 Working time:

2.4.1 In the Four way sequential and eight way speed formation events, the working time starts when the first team member, excluding the team's videographer, leaves the aircraft.

2.4.2 In the Four way rotation event, the working time starts after the first four way formation whether correct or not, or 30 seconds following the exit of the first team member, excluding the team's videographer.

3. THE EVENTS

3.1 The discipline will comprise the following events:

- i) Four Way Sequential Event;
- ii) Four Way Rotation Event;
- iii) Eight Way Speed Formation Event.

3.2 Objective of the events:

3.2.1 Canopy Formation Teams perform a formation or a sequence of formations during descent under their main canopies.

3.2.2 The accumulated total of all rounds completed, (calculated in accordance with paragraph 7.3.11) is used to determine the final placing of teams. A minimum number of rounds (specified in paragraph 7.3.8. must be completed to determine a Team's placing and declare the winners in any one event.

3.3 Performance requirement:

3.3.1 4-way sequential event: Each round consists of a sequence of formations illustrated in the dive pool diagrams. Sequences are repeatable.

3.3.2 4-way rotation event: Each round consists of successive 4-way plane/stack formations being made by rotations. Rotations must be made by the top competitor in the complete formation dropping grips, flying to the bottom of the formation and again completing a four canopy formation. The intermediate formation is the remaining correctly completed three-way stack/plane formation.

3.3.3 8-way speed formation event: Each round consists of a single formation drawn from the dive pool. The formation must be held for at least five seconds. The holding time may run over the working time.

4. GENERAL RULES

4.1 Canopy Formation will not be practiced or scored using a reserve (auxiliary) parachute.

4.2 Meteorological Conditions:

4.2.1 When air turbulence is apparent, the Meet Director may decide to raise the exit altitude. This decision is not open to protest.

4.2.2 Teams may refuse to jump in rain or turbulent conditions. The Meet Director, FAI Controller and the Chief Judge by unanimous decision may decide to continue the event. If a team aborts a jump a second time, that team shall not jump that round and will be awarded the maximum or minimum score whichever is worse.

4.2.3 Rain during a jump is not grounds for protest.

4.2.4 All forms of canopy formation jumping must cease within 30 seconds of the elapsed working time. The FAI Controller alone has the authority to disqualify a team in breach of this rule.

4.3 Miscellaneous Equipment:

4.3.1 Competitors must carry the following equipment:

- i) Hook knives; every team member will carry a readily available knife for emergency use;
- ii) Altimeter; Not less than one member of each team shall carry a serviceable altimeter. It is strongly recommended that all team members carry an altimeter.

4.4 The Draw:

4.4.1 The draw of the sequences and the jump order will be supervised by the Chief Judge and teams will be given not less than two hours knowledge of the results of the draw before the competition starts.

4.5 Training Jumps:

4.5.1 Each team in each event shall be given a minimum of one training jump prior to the first competition jump. The training jumps shall be carried out from the aircraft type that will be used in the competition.

4.5.2 The training jump will be assessed by the Judges and the score will be posted before the team makes its first competition jump. At the Meet Director's discretion, a rejump may be offered to a team if that training jump was not judged for any reason. Teams training for the sequential event will advise the Chief Judge of the planned jump sequence, prior to emplaning.

4.6 Order of jumping:

4.6.1 The jump order will be used for each round until there is a break in jumping of more than 30 minutes at the end of a round (rejumps ignored). The jump order for the next rounds will be in the reverse order of placing (the order in which tied teams jump will be determined by their original draw). This procedure shall be followed each time there is a break in jumping of more than 30 minutes at the end of a round and must be followed for the semi-final and final rounds.

4.7 Exit Procedure:

4.7.1 There is no limitation on the exit other than those imposed by the Chief Pilot for safety reasons. The pilot chute must not be withdrawn from the equipment until the competitor is clear of the aircraft. The pilot must maintain the altitude and direction until he is well clear of the jumpers.

4.7.2 Teams will be responsible for their own exits once the aircraft has commenced the jump run.

4.7.3 The exit of the first team member must be clearly shown on the teams video recording.

4.8 Rejumps

4.8.1 Problems with a competitor's equipment shall not be grounds for a rejump. If the team's videographer experiences a malfunctioned canopy, there is no rejump.

4.8.2 Where formations, inters, or total separations are not visually judgeable due to meteorological conditions, or factors relating to the video equipment, the video evidence may be considered insufficient for judging purposes. In this case, the Video Review Panel will assess the conditions and circumstances surrounding that occurrence and may award a rejump. Should the Video Review Panel determine that there has been an intentional abuse of the rules by the team, or by the videographer on behalf of the team, no rejump will be granted, and the team's score for that jump will be zero.

4.8.3 Contact or other means of interference, between a team and its videographer shall not be grounds for the team to request a rejump.

4.9 Scoring

4.9.1 To be scored, all formations, sub-groups, intermediate requirements, etc. must be completed and recorded in such a manner that the judges may determine that the required performance has been achieved. Provision of the video evidence for judging purposes is the responsibility of the team.

4.9.2 If a competitor, or team, is disqualified for a jump, they will receive zero points, or maximum time for that jump. In this event, the disqualification score shall not be used as a worst performance discard.

5. RULES SPECIFIC TO THE EVENTS

5.1 4-Way Sequential Event:

5.1.1 Exit altitude is 8,000 feet AGL with a working time of 150 seconds.

5.1.2 The draw of the sequences: All the block sequences (numerically marked) and the random formations (alphabetically marked) shown in the annex will be placed in one container. Individual withdrawal without replacement from the container will determine the sequences to be jumped in each round. Each round will be drawn so as to consist of four or five scoring formations, whichever number is reached first.

5.1.3 i) Scoring: Teams will be awarded one point for the first formation and each subsequent formation or formations preceded by an intermediate correctly completed within the working time. Teams will not be awarded points for incorrect formations. There will be no penalty.

ii) Omissions: Omission of a formation will stop the scoring at that formation. The next formation to score is the second correctly completed formation following the last omission. Scoring may also continue if the team goes back to correctly complete the omitted formation, incorrect formation or formation prior to the incorrect intermediate requirement. An attempt to complete a formation, although incorrect or incomplete, demonstrated by at least 3 canopies connected with grips, and in the formation required by the drawn sequence, will be judged as an incorrect formation, not as an omission.

5.1.4 Each formation, sub-group and intermediate requirement must be performed in accordance with the illustrations in the drawn sequence. Where there is no intermediate requirement between formations, there must be complete separation of all canopies. Mirror images are acceptable for complete blocks and random formations. Formations need not be symmetrical.

5.1.5 Intermediate requirements must be performed as shown in the diagrams. At the end of a sequence there must be complete separation before restarting the sequence as drawn.

5.2 4-Way Rotation Event:

5.2.1 Exit altitude shall be 7,000 feet with a working time of 90 seconds.

5.2.2 Scoring begins with the first 4 way formation whether correct or not. This particular formation (correct or not) will be considered in the working time. One point is scored for every correctly completed 4-Way stack/plane formation within the working time, according to the performance requirement.

5.2.3 For each subsequent point to be scored, the fourth canopy must depart from and dock on a plane/stack formation consisting of three canopies, in accordance with the performance requirements.

5.3 8-Way Speed Event:

5.3.1 Exit altitude shall be 6,000 feet with a working time of 120 seconds.

5.3.2 Each round consists of a single formation as shown in the diagrams. A draw will be made for the first four rounds. The formations will be replaced to enable the draw for the remaining rounds to be made.

5.3.3 Scoring; The score for the jump shall be the time in seconds and hundredths of seconds to complete an 8-Way formation, provided the formation is held for five seconds. The holding time may run over the working time.

5.3.4 If the formation separates before completion, the timing continues and the team may rebuild the formation within the working time.

6. JUDGING RULES

- 6.1.1 Each team shall provide an air-to-air videographer who will record the video evidence required to judge each round. Only one of the team's videographers may jump on each jump.
- 6.1.2 For the purpose of these rules, "video equipment" shall consist of the complete video system, or systems, used to record the video evidence of the team's performance, including the camera(s), video tape(s), tape recorder(s), battery(ies). The equipment shall deliver a PAL digital signal.
- 6.1.3 A Video Controller will be appointed by the Chief Judge prior to the start of the Judges' Conference. The Video Controller may inspect a team's video equipment to verify that it meets the competition requirements. Inspections may be made at any time during the competition that does not interfere with a team's performance, as determined by the Event Judge. If any video equipment does not meet the performance requirements as determined by the Video Controller, this equipment will be deemed to be unusable for the competition.
- 6.1.4 After recording each jump, the videographer must turn off the video equipment and not operate it or remove the video tape(s). As soon as possible after each jump is completed, the videographer must deliver the video equipment (including the tape(s) used to record that jump) for dubbing at the designated dubbing station. This video evidence will be used to judge the team's performance.
- 6.1.4 (a) Only one videotape will be dubbed and judged. Secondary video evidence may only be used where there is insufficient video evidence due to meteorological or technical reasons.
- 6.1.5 A Video Review Panel will be established prior to the start of the official Training Jumps, consisting of the Chief Judge, the President of the Jury, and the FAI Controller. Decisions rendered by the Video Review Panel shall be final and shall not be subject to protest or review by the Jury.
- 6.1.6 If the Video Review Panel determines that the video equipment has been deliberately tampered with, the team will receive no points for all competition rounds involved with this tampering.

6.2 Observing the Performance:

- 6.2.1 Each performance must be evaluated by a panel of three judges.
- 6.2.2 The judges will watch each performance once at normal speed.
- 6.2.3 At the request of any working judge, a second viewing at normal speed may be made. A third viewing at normal speed may only occur where authorised by the Event Judge.
- 6.2.4 The judges may use an electronic scoring system to record their evaluation of the performance if available.
- 6.2.5 The judges may correct their evaluation record after the jump has been judged. At the end of working time, freeze frame of the image must be applied.
- 6.2.6 The judges shall start their chronometers when the first team member (excluding the team's videographer) leaves the aircraft.

7. RULES SPECIFIC TO THE COMPETITION

7.1 Title of the competition: 9th World Parachute Cup of Canopy Formation

7.2 Aims of the World Cup:

7.2.1 To determine the World Cup Winners of Canopy Formation in the following events:

- i) Four Way Sequential;
- ii) Four Way Rotations,
- iii) Eight Way Speed Formations.

- 7.2.2 To determine the world standings of the competing teams.
- 7.2.3 To establish world Canopy Formation records.
- 7.2.4 To promote and develop Canopy Formation parachuting.
- 7.2.5 To exchange ideas and strengthen friendly relations between the sport parachutists of all nations.
- 7.2.6 To allow participants to share and exchange experience, knowledge and information.
- 7.2.7 To improve judging methods and practices.

7.3 COMPETITION INFORMATION

7.3.1 Date and place:

- i) The competition will take place from:
- ii) The venue of the competition will be:

7.3.2 Judges' conference:

There will be a judges' conference commencing: (to be notified)

7.3.3 Entries:

- i) Provisional entries must reach the organiser by:
- ii) Official entries must reach the organiser by:
- iii) Entries sent after 45 days prior are subject to a late entry fee
- iv) The entry forms shall be sent to:

Name: Address:

Telephone

Fax:

e-mail

website

7.3.4 Entrv fees:

- i) All delegation members except the approved judges shall pay an entry fee.

ii) Entry fees are:

- Competitors entered in one event:
- Competitors entered in two events
- Competitors entered in all events:
- Alternates and non-competitors:
- Late entry fee:

iii)Entry fees cover the cost of jumps, accommodation, meals and local transport necessary for the conduct of the competition, unless stated otherwise.

- iv) The entry fees shall be paid to the bank account to be notified

7.3.5 Organisation:

- i) The Organising Committee is headed by:
- ii) The Meet Director is:
- iii) The FAI-Controller is:
- iv) Training facilities shall be available to teams prior to the start of the competition.

7.3.6 Composition of delegations:

Each delegation may comprise;

- 1 x Head of Delegation
- 1 x Jury Member if not Head of Delegation
- 1 x Team Manager
- 1 x Team Coach
- 1 x Interpreter
- Judges and Training Judges as provided in the Sporting Code Section 5
- Accompanying personnel

4 x 4 way teams per event consisting of six (6) members, any of which may be the team videographer, for each 4 way event..

4 x 8 way Speed Formation team consisting of ten (10) members, any of which may be the team videographer.

7.3.7 Aircraft Type and Speed:

- i) The aircraft used for the 8-Way event will be:
Exit speed will be
- ii) The aircraft used for the 4-Way events will be:
Exit speed will be

7.3.8 Program of events:

- i) The World Cup is comprised of the following events:
 - 4-Way Sequential 8 rounds;
 - 4-Way Rotations 8 rounds;
 - 8-Way Speed Formation 8 rounds;
- ii) The 7th round of each event shall be the Semi-Final Round in which teams holding the first ten placings shall participate.
- iii) The 8th round of each event shall be the Final Round in which teams holding the first six placings shall participate.
- iv) A minimum of 1 round must be completed to establish World Cup Winners in any event.

The timetable for competition jumping is:

- Official training jumps commence:
- Competition jumps commence:
- Competition jumps end:

7.3.9 Panel of Judges:

- i) Chief Judge is:
- ii) Assistant Chief Judge is:
- iii) Judges approved by the IPC are:-

7.3.10 Protest fee:

A fee of 50 US DOLLARS must accompany each protest

7.3.11 Determination of World Cup Winners:

The World Cup Winners are the teams who;

- a) where only one round is completed, have the best score for that one round, or .
- b) where more than one round is completed, have the best score after discarding their worst performance in the completed rounds:

calculated as follows:-

4-WAY EVENTS: have the highest number of formations in the remaining completed rounds. If two or more teams have an equal number of formations, the first three places will be decided by the highest number of points for a single round. If there is still a tie, the team with the fastest time for that round shall win the tied place.

8-WAY SPEED FORMATION: have the most 8-ways in the remaining completed rounds. If two or more teams have an equal number of 8-ways, the winner is that team with the lowest total time for these rounds. If there is still a tie the first three places will be decided by the fastest times for a single round.

7.3.12 Formation diagrams

Definitions used in the formation diagrams are as follows:



- Canopy identification

- Random formation letters

A B C D

- Intermediate requirement

INTER

Note: DIVE POOLS remain unchanged from last issue