

SECTION I - EVENT DETAILS

I. 1 TITLE

The Event shall be known as:
38º CAMPEONATO BRASILEIRO DE BALONISMO 2025

I. 2 SANCTION

THE EVENT IS SANCTIONED BY THE CBB – CONFEDERAÇÃO BRASILEIRA DE BALONISMO.

I. 3 ORGANIZATION

The Event is organised by:
Confederação Brasileira de Balonismo

I. 4 CORRESPONDENCE

All entries and official correspondence should be addressed to:
Johnny Álvarez da Silva
Rua Sete de Setembro 304
CEP: 18190-000
Galeria Milenium
Araçoiaba da Serra
presidenciaacbb@gmail.com

I. 5 PERSONNEL

Event Director :	Jonas Maes.
Deputy Director :	Marcos Bonincontro
Safety Officer :	Fabio Lopes
Jury President	Johnny Alvarez

I. 6 PLACE

The Event will be held at:
R. Cel Eugênio Motta, 21
Jardim Nova Boituva
Coordinates: 2634/2261

I. 7 DATES

The Event will run from 9 June 2025 until 15 June 2025. First Flight will be on 10 June in the morning.
The last flying day will be 15 June in the morning unless the minimum tasks under rule 1.2 have not been achieved, in which case the last flying day will be 15 June in the afternoon.

I. 8 PROTEST FEE

THE AMOUNT OF THE PROTEST FEE TO ACCOMPANY A PROTEST SHALL BE R\$300,00 - THREE HUNDRED REAIS.
IN CASE OF A JOINT PROTEST, EVERY PROTESTING PERSON MUST PAY THE PROTEST FEE. (S1 An3 8.3)

I. 9 LANGUAGE

I. 9.1 THE RULES AND INFORMATION CIRCULATED TO NACS AND COMPETITORS OR ISSUED DURING THE EVENT SHALL BE IN ENGLISH AND, AT THE DISCRETION OF THE ORGANISER, THE LANGUAGE OF THE HOST COUNTRY. IN ALL INTERPRETATIONS THE ENGLISH-LANGUAGE VERSION SHALL PREVAIL. (GS 4.5.4)

I. 9.2 Printed material (e.g. Task Data, Meteorological information etc) shall be in English and may additionally be in Portuguese. The language used verbally during briefings shall be English.

I. 9.3 In the rules the masculine form is used as a standard. Wherever you find the masculine form, it is implied that the feminine form is included.

I. 10 CLOSING ENTRY DATE

The closing entry date for the Event is:
26 of May 2025

I. 11 RISK

The balloon and other property of a competitor shall be at the risk of the competitor at all times.

I. 12 INSURANCE

Each balloon shall be insured against all claims by third parties to a minimum of R\$50,000,00 (fifty thousand reais).

The competitor shall produce documentary evidence of this insurance valid for the period of the Event covering any balloon which he may fly.

SECTION II - COMPETITION DETAILS

II. 1 CONTEST AREA (7.1)

The competition map is Internet Maps.

The contest area is 212000 / 7438000, 248000 / 7438000, 248000 / 7410000, 212000 / 7410000

The grid system is UTM/UPS WGS84, map zone 23K.

Magnetic declination: 21,44° W.

II. 2 OUT OF BOUNDS (7.2)

All Red and Blue PZ's are considered Out Of Bounds.

Ground contact and other penalties will be applied.

II. 3 PZ LIST (7.3)

<u>PZ Name/Number</u>	<u>Colour</u>	<u>Shape</u>	<u>Description</u>	<u>Radius</u>	<u>Top Altitude</u>	<u>Coordinates</u>
PZ 01 - Blue PZ	Blue	Map	PZ AZUL	-	7000 ft	1200/3800 - 4800/3800 4800/1000 - 1200/1000
Castelo trecho 1 cota 2050	Red	Road	Rodovia Castelo Branco - Trecho 1	35 m	2050 ft	
Castelo trecho 2 cota 1950	Red	Road	Rodovia Castelo Branco - Trecho 2	35 m	1950 ft	
Castelo trecho 3 cota 1850	Red	Road	Rodovia Castelo Branco - Trecho 3	35 m	1850 ft	
Castelo trecho 4 cota 1750	Red	Road	Rodovia Castelo Branco - Trecho 4	35 m	1750 ft	
Castelo trecho 5 cota 1850	Red	Road	Rodovia Castelo Branco - Trecho 5	35 m	1850 ft	
PZ 02	Red	Circle	Empresa de Etanol	200 m	2235 ft	3246 / 2751
PZ 03	Red	Circle	Fazenda	400 m	2291 ft	1976 / 2492
PZ 04	Red	Circle	Prisão	300 m	2260 ft	2024 / 1539
PZ 05	Red	Circle	Haras	500 m	2385 ft	1769 / 2306
PZ 06	Red	Circle	Aramar - Zona Militar	1500 m	8000 ft	3430 / 1004
PZ 07	Yellow	Circle	Haras	700 m	No Launch or Land	2315 / 1132
PZ 08	Yellow	Circle	Fazenda	500 m	No Launch or Land	2048 / 1250
PZ 09	Yellow	Polygon	Fazenda	-	No Launch or Land	
PZ 10	Red	Circle	Fazenda	500 m	2350 ft	
PZ 11	Yellow	Polygon	Mina	-	No Launch or Land	
PZ 12	Yellow	Circle	Fazenda	200 m	No Launch or Land	1964 / 2226
PZ 13	Yellow	Circle	Fazenda	300 m	No Launch or Land	1840 / 2227
PZ 14	Yellow	Polygon	Fazenda	-	No Launch or Land	
PZ 15	Yellow	Polygon	Fazenda	-	No Launch or Land	

PZ 16	Yellow	Polygon	Condo	-	No Launch or Land	
PZ 17	Yellow	Polygon	Fazenda	-	No Launch or Land	
PZ 18	Red	Circle	Fazenda	300 m	3000 ft	2761 / 1601

II. 4 COMMON LAUNCH AREA(S) (9.1.1)

TBA

II. 5 COMMON LAUNCH POINT(S) (9.1.2)

TBA

II. 6 LANDOWNER'S PERMISSION (9.2.2)

Additionally to Rule 9.2.2 the following applies: Public areas, such as public parks, squares and river sides, are considered as places without need for permission for take-off and landings. Furthermore, a take-off without permission may be made from minor roads or tracks, if the balloon envelope can be laid out in the adjacent field and provided, it is freshly harvested and/or not cultivated and no damage is done. The road traffic may not be obstructed.

II. 7 LIVESTOCK AND CROP (10.6)

Balloons shall not fly closer than 500 ft from livestock or buildings containing livestock.

II. 8 DRIVING LAW (10.11)

According to Brazilian National Law.

II. 9 AIR LAW (10.14)

According to Brazilian National Law.

Modified Airlaw related to the competition map and flying area will be published on the Electronic Notice Board.

II. 10 RECALL PROCEDURE (10.15)

Message by WhatsApp to the competitors' cell phones will be used as recall procedure.

The number and phone will be tested before the General Briefing.

The competitors' phone must be switched on at all times. Minor task changes may be send out by WhatsApp, before the launch period, in case of unexpected problems with goals or other safety matters.

II. 11 VERTICAL SPEED (10.2)

All logger tracks will be checked using the Balloon Safety Analyzer.

Competitors exceeding the limits of vertical speed below will be penalized:

Limit	3D Proximity	Relative Vertical Speed
Limit 1	25 m	3 m/s
Limit 2	50 m	5 m/s
Limit 3	75 m	8 m/s>

Limit 4: Exceeding the absolute vertical ascent speed of 8 m/s will be penalized.

Limit 4 must be violated for a consecutive 5s or more to be triggered.)

Scoring policy: As above, the penalties mentioned in the table below are guidance therefore different penalties may be applied following review of specific cases.

lower balloon				upper balloon			
Vertical speed [m/s]	Limit 1 Penalty	Limit 2 Penalty	Limit 3 Penalty	Vertical speed [m/s]	Limit 1 Penalty	Limit 2 Penalty	Limit 3 Penalty
				$0 \leq v < -2$			
$2 \leq v < 3$	50(WRN)			$-2 \leq v < -3$	100 (WRN)		
$3 \leq v < 4$	100(WRN)	50(WRN)		$-3 \leq v < -4$	200	50(WRN)	
$4 \leq v < 5$	300	100(WRN)	50(WRN)	$-4 \leq v < -5$	400	100(WRN)	
$5 \leq v < 6$	500	300	100(WRN)	$-5 \leq v < -6$	600	200	100(WRN)
$6 \leq v < 7$	700	500	300	$-6 \leq v < -7$	800	400	200
$7 \leq v < 8$	900	700	500	$-7 \leq v < -8$	1000	600	400
8 and more	1000	900	700	-8 and more	1000	800	600

II. 12 GOALS SELECTED BY A COMPETITOR (12.2), GOAL CENTER (12.1)

To identify a goal on the competition map, the competitor must declare it by coordinates to be written in eight-digit format (First four digits west/east and the second four digits south/north. Easting then Northing).

It will not be required that the goal selected by a competitor is the intersection of two roads unless otherwise set in the task data.

II. 13 LOCATION OF OFFICIAL NOTICE BOARD (5.3.3)

The Official Notice Board will be at Watchmefly.net

<https://watchmefly.net/events/event.php?e=brazil2025&v=enb>

II. 14 COMMUNICATION TIMES (5.1.5+5.2.5)

Replies to general inquiries or notification of replies to complaints will be posted immediately as available on the ONB.

Timing requirements of 5.1.5+5.2.5 will start at the time of the ONB posting.

II. 15 PUBLICATION TIMES ON THE LAST FLYING DAY (5.1.6+5.2.6)

All scores, complaints, responses to complaints, protests and jury reports will be posted immediately as available. Electronic notification of postings to the ONB may be made simultaneously using a text messaging system.

II. 16 DETAILS FOR TIME LIMITS (rest hours) (5.1.5+5.2.5)

The hours between 20hr and 05hr local time will be disregarded for the purpose of the time limits of complaints and protests.

II. 17 FLIGHT CREW (2.2.2)

N/A

DETAILS FOR THE USE OF GPS LOGGERS (6)**a) Logger:**

The Logger used in this Event is the FAI "Balloon Live" app with a connected Balloon Live sensor, an external GPS or the internal GPS of the pilot his mobile device. The app is available for iOS and Android and must be installed by each competitor beforehand on his own recording device (smartphone or tablet).

Details and instructions on how to purchase and use can be found on balloonlive.org

b) Change the operation mode:

Start the app "Balloon Live" > Menu > Change mode

Select Application Mode

Training mode

To test the app in training flights, the mode "TRAINING" must be used to familiarise with the use of the app. In this mode, no competition data (tracks, declarations and marker drops) is stored. Press the red button at the bottom to start a new flight.

Competition Mode

Select the profile icon at the top right to log in with your credentials from watchmefly.net. Then select the event from the available competitions. You will then be in competition mode and the latest competition data is retrieved from the server. The device must be online to do this. It is recommended to load the competition data during flight preparation. The connection of a Balloon Live sensor, an external GPS or the internal GPS of the pilot his mobile device is mandatory for all flights.

To start the flight, the latest flight data must also be loaded from the server. This flight data is valid for 5 hours only. Therefore it is recommended to be online within the last 5 hours before the start of the recording, or just before start, to load the flight data.

Press the red button to start a new flight and transmit the track data to the server.

c) Preconfigured setup for this competition:

- Competition name: 38° Campeonato Brasileiro de Balonismo
- Logging interval (seconds): 1
- UTC offset (seconds): -10800
- Allow multiple marker drops: inactive
- Allow multiple goal declarations: active
- Declaration format: 4/4
- Altitude mode: Barometric Feet
- Geodetic system: UTM WGS84

Multiple recording devices may record the flight at the same time. The first started recording will be considered as the primary recording and will be used for scoring.

d) Handling by competitor:

- Throughout the event the competitor is responsible for storing, charging, handling as well as the proper functioning of the devices used (phone, tablet, sensor...).
- The Balloon Live app an external GPS or the internal GPS of the pilot his mobile device must be started 10-5 min before the intended take-off to allow proper GPS initialization. The recording must also be started at the same time by pulling down the red label.
- The competitor is considered entering the competition flight according to the selected TDS with the start of the track recording and the take off.
- During flight the recording device must remain attached to the basket (uprights or basket edge) to ensure optimum GPS reception.
- Declarations must be made in 4/4 format unless otherwise stated in the TDS.
- Altitudes do not need to be declared unless otherwise stated in the TDS. Altitudes must be indicated with the minimum needed digits.
- Goal declarations are registered at the time when the DECLARE button is pushed.
- Electronic marker drops are registered at the time when the DROP button is pushed.
- 5-10 minutes after landing and safe balloon handling the track recording should be stopped by selecting "stop flight" under the actions menu at the top right in the Balloon Live app.

For the transfer of the data, please see under point f) below.

e) Scoring:

- Unless otherwise stated in the TDS, an electronic mark is mandatory for each task

- where no valid mark has been achieved by physical marker.
- In case the same logger-goal is declared more than once the last valid declaration will be used.
- If an electronic mark is used more than once, the first mark will be used.

f) Track data:

The track data is transferred to the server automatically if a data connection is available during flight or when made available after the flight. To resume the data transfer later after the flight, reopen the app and the transmission will start within a minute. Make sure all track points are sent before closing the app or disconnecting the internet connection of the device.

A red upload icon at the top left indicates that a large number of track points still need to be uploaded. If the icon is yellow, the upload is finalizing.

Once it is green, the entire track has been transferred to the server and the app can be closed.

The track must be transferred to the server latest 6 hours after the flight has been started. For tracks that are transferred later, the competitor will be penalised by 10 competition points per minute (or part) late in the last task.

The track data remains the property of the competitor but may be made available to the public for live tracking. Tracks where competitors have given explicit permission will be published.

The publication will have a minimum of 10 min delay. No publication of a track should be made before the end of the launch period.

Anonymized tracks may be used by CIA for analysis.

g) Recommendations:

- Only use recording devices in online mode as the accuracy of the recording is increased and the data transferred immediately.
- Use a powerbank to avoid problems with the battery capacity of your device.

Failure to follow the instructions 'Details for the use of GPS Loggers' may be penalized without warning.

Flight Report Forms must be completed on Watchmefly.net as quick as possible and maximum NINETY (90) minutes after the landing of that specific flight !! When there are problems during your retrieve, please contact the Event Director and ask for an 'extension of time' : +55 518114-2710 (Tommaso – Scorer)

If the FRF is received too late without an extension of time you may be penalized up to 1000 points!

II. 19 BALLOON SIZE (3.3)

N/A

II. 20 ALTITUDE (14.6.4)

All altitudes in this event are described in feet AMSL.

The logger's measured Barometric altitude will be used for scoring.

II. 21 2D/3D SCORING METHODS (12.15)

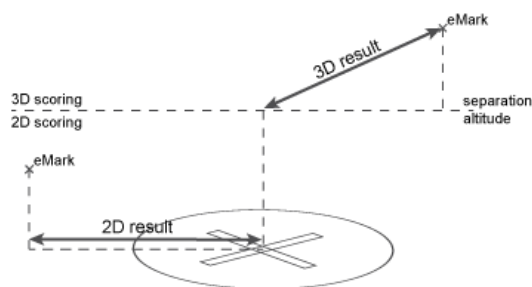
The separation altitude between 2D and 3D scoring in this event is 2500ft MSL.

When goals or targets on the ground are used, results based on electronic marks will be the:

- 3D-distance to the point at the separation altitude above the goal/target if the electronic mark is above the separation altitude

or

- 2D-distance to the goal/target if the electronic mark is at or below the separation altitude.



When goals/targets above the ground are used, results based on electronic marks will be the 3D-distance.

II. 22 COMPETITION STRUCTURE

The competition will be conducted using markers in MMA and logger-scoring only.

II. 23 MAP COORDINATES (7.8)

The basic map coordinate of a UTM map with WGS84 datum is:

23K (Zone reference, where 23=zone and K=latitude band)

229290 (6 digit Easting)

7421700 (7 digit Northing)

To identify a point on the competition map, the coordinates must be written in one of the following formats:

- 6-7 format: this complies with the standard UTM grid format. First six digits easting and second, seven digits northing. (e.g. 458565-5552261 alternatively 0458565-5552261)
- 4-4 format: this format uses two times four-digits. First four digits easting and the second four digits northing. (e.g. 5857-5226), leaving out the 1m digit.

Coordinates may be written in one of the following formats:

- For declarations in Logger see II.18 otherwise in 4/4

Easting's may be separated from Northing's by: a carriage return (= new line), by a blank space, by the minus character or the slash character. In all cases the parts of the coordinates shall be clearly separated and with Easting's first.

II. 24 AXMER VERSION

AXMER 2025