

Balloon Live Contest 2021

Contest Rules

Final version



Based on the AXMER
Version 2021

SECTION 0	1
0.1 SUMMARY	1
0.2 COPYRIGHT	1
SECTION I - EVENT DETAILS	2
I. 1 TITLE	2
I. 2 SANCTION (S1 An3 2)	2
I. 3 ORGANIZATION	2
I. 4 CORRESPONDENCE	2
I. 5 PERSONNEL	2
I. 6 PLACE	2
I. 7 DATES	2
I. 8 PROTEST FEE (S1 An3 8.3)	2
I. 9 LANGUAGE (GS 4.9.5 part)	3
I. 10 PARTICIPATION (GS 4.6.1 part)	3
I. 11 CLOSING ENTRY DATE	3
I. 12 RISK	3
I. 13 INSURANCE	3
SECTION II - COMPETITION DETAILS	1
II. 1 CONTEST AREA (7.1)	1
II. 2 OUT OF BOUNDS (7.2)	1
II. 3 PZ LIST (7.3)	1
II. 4 LANDOWNER'S PERMISSION (9.2.2)	1
II. 5 LIVESTOCK AND CROP (10.6)	1
II. 6 DRIVING LAW (10.11)	1
II. 7 AIR LAW (10.14)	1
II. 8 GOALS SELECTED BY A COMPETITOR (12.2)	1
II. 9 LOCATION OF OFFICIAL NOTICE BOARD (5.10)	1
II. 10 COMMUNICATION TIMES (5.3)	1
II. 12 DETAILS FOR THE USE OF GPS LOGGERS (6)	1
II. 13 ALTITUDE (14.6.4)	3
II. 14 2D/3D SCORING METHODS (12.22.2) (for events with logger scoring)	3
II. 15 COMPETITION STRUCTURE (6.1)	3
II. 16 MAP COORDINATES (7.8)	3
SECTION III - RULES	1
CHAPTER 1 - OBJECTIVES	1
1.1 OBJECTIVES (S1 5.2)	1
1.2 DEFINITION OF A CHAMPION (S1 5.8)	1
1.3 INTERPRETATION OF ENGLISH WORDING	1
1.4 DOCUMENTATION	1
CHAPTER 2 - ENTRY CONDITIONS	2
2.1 COMPETITOR (GS 4.5.2 part, S1 5.5.5)	2
2.2 COMPETITOR'S RIGHTS OF REPRESENTATION (GS 4.7.1, S1 5.1.1)	2
2.3 QUALIFICATION (S1 5.6.4.1)	2
2.4 SPORTING LICENCE (GS 3.1.2 part)	2
2.5 ENTRY	2
2.6 ACKNOWLEDGEMENT	2
2.7 ACCEPTANCE OF SPORTING CODE, RULES AND REGULATIONS (GS 4.11.1)	2
2.8 WAIVER	3
2.9 LIABILITY TO THIRD PARTIES	3
2.10 SAFETY	3
2.11 RESPONSIBILITY (S1 An3 3)	3
2.12 CONDUCT (S1 An3 4)	3
CHAPTER 3 - BALLOON QUALIFICATIONS	4
3.1 DEFINITION OF A BALLOON (S1 2.1.1.2)	4
3.2 FUEL	4

3.4	AIRWORTHINESS (S1 5.5.3).....	4
3.6	AUTOMATIC FLIGHT CONTROLS (S1 5.9.2)	4
3.7	ALTIMETER	4
3.8	COMPETITION NUMBERS	4
3.9	BASKET	4
CHAPTER 4 - ORGANIZATION OFFICIALS.....		5
4.1	EVENT DIRECTOR (GS 5.5.1).....	5
4.2	STEWARDS (GS 5.5.2)	5
4.3	DUTIES OF THE INTERNATIONAL JURY (GS 5.4.1.1, 5.4.2.4, 5.4.2.5. S1 5.10 part).....	5
4.4	SAFETY OFFICER (S1 5.11.1).....	5
CHAPTER 5 - COMPLAINTS AND PROTESTS		6
5.1	ASSISTANCE (GS 6.1.3 S1 An3 7.1)	6
5.2	COMPLAINT (GS 6.1.1, S1 An3 7).....	6
5.3	COMMUNICATION (S1 An3 7.7).....	6
5.4	PUBLICATION (S1 An3 7.7).....	6
5.5	PROTEST (S1 An3 8).....	6
5.6	TIME LIMITS (S1 An3 7).....	6
5.6.1	TIME LIMITS FOR COMPLAINTS	6
5.6.2	TIME LIMITS FOR PROTESTS	7
5.6.3	SHORTENED TIME LIMITS FOR COMPLAINTS AND PROTESTS (S1 An3 7.6, 8.6 part).....	7
5.7	TREATMENT OF PROTESTS (GS 6.4)	7
5.8	RETURN OF DEPOSIT (GS 6.3.3, 6.3.4).....	7
5.9	JURY APPROVAL OF SCORES & PRIZEGIVING (GS 5.4.2.7.2, 4.16.1)	7
5.10	OFFICIAL NOTICE BOARD.....	8
CHAPTER 6 – OBSERVERS AND LOGGERS		9
6.1	COMPETITION STRUCTURE	9
6.2	OBSERVERS.....	9
6.3	APPOINTMENT	9
6.4	ASSISTANCE	9
6.5	REQUEST TO WITNESS	9
6.6	OBSERVER ON RETRIEVE.....	9
6.7	PHOTOGRAPHY	9
6.8	OBSERVER REPORT	10
6.9	GPS LOGGERS.....	10
6.10	HANDLING.....	10
6.11	FLIGHT REPORT FORM (FRF) (in events without observers)	10
6.12	RESPONSIBILITY.....	10
6.13	GPS-LOGGER FAILURE.....	10
CHAPTER 7 - MAPS.....		12
7.1	CONTEST AREA	12
7.2	OUT OF BOUNDS (OFB)	12
7.3	PROHIBITED ZONES (PZs).....	12
7.4	PZs IN FORCE.....	12
7.5	PZ INFRINGEMENT	12
7.6	MAPS.....	12
7.7	EARTH TO BE FLAT	12
7.8	MAP COORDINATES	13
7.9	DEGREE REFERENCE.....	13
CHAPTER 8 - PROGRAM, BRIEFINGS.....		14
8.1	TASK PROGRAM	14
8.2	VALID TASK (S1 5.9.1).....	14
8.3	TASK SELECTION	14
8.4	MULTIPLE TASKS.....	14
8.5	MODIFICATION OF RULES (GS 4.9.1 part)	14
8.6	GENERAL BRIEFING (GB) (S1 An3 6)	15
8.7	TASK BRIEFING.....	15

8.8	TASK DATA	15
8.12	OFFICIAL TIME	15
CHAPTER 9 - LAUNCH PROCEDURES.....		16
9.2	INDIVIDUAL LAUNCH AREAS	16
9.17	LOSS OF CONTROL	16
9.18	TAKE-OFF (S1 3.2, 3.3).....	16
9.19	VALID TAKE-OFF	16
9.20	ABORTED TAKE-OFF	16
CHAPTER 10 - FLIGHT RULES		17
10.2	DANGEROUS FLYING	17
10.4	DROPPING OBJECTS	17
10.5	BEHAVIOUR.....	17
10.6	LIVESTOCK AND CROP	17
10.7	LANDOWNER.....	17
10.8	COLLISION	17
10.9	PERSONS ON BOARD	17
10.10	GROUND CREW	17
10.11	DRIVING	17
10.12	DISEMBARKATION	18
10.13	ASSISTANCE	18
10.14	AIR LAW	18
10.15	RECALL PROCEDURE	18
CHAPTER 11 - LANDINGS.....		19
11.1	LANDINGS.....	19
11.2	LANDING AT WILL	19
11.3	CONTEST LANDING	19
11.4	GROUND CONTACT 1.....	19
11.5	GROUND CONTACT 2.....	19
11.6	PERMISSION TO RETRIEVE.....	19
CHAPTER 12 - GOAL, MARKER, TRACK POINT.....		20
12.1	GOAL	20
12.2	GOAL SELECTED BY A COMPETITOR	20
12.3	DECLARATIONS BY COMPETITORS	20
12.11	MARK.....	21
12.12	(NOT USED)	21
12.13	INTERFERENCE WITH MARKER.....	21
12.17	SCORING PERIOD.....	21
12.18	SCORING AREA.....	21
12.19	SCORING AIR SPACE	21
12.20	MARKER MEASURING AREA (MMA)	21
12.21	VALID MARK	22
12.22	TRACK POINT	22
12.23	VALID TRACK POINT.....	22
CHAPTER 13 - PENALTIES		23
13.1	SERIOUS INFRINGEMENTS, UNSPORTING BEHAVIOUR (sS1 An3 5).....	23
13.2	UNSPECIFIED PENALTIES	23
13.3	DISTANCE INFRINGEMENTS	23
13.4	PENALTY POINTS	23
13.5	PROOF OF RULES VIOLATION (S1 An3 8.9).....	24
CHAPTER 14 - SCORING.....		25
14.1	RESULT	25
14.2	SCORE	25
14.3	PUBLICATION OF SCORES (S1 5.9.4 part).....	25
14.4	RANKING ORDER.....	26
14.5	POINTS FORMULA	26
14.6	PRECISION	27
14.8	TOTAL SCORES	27
14.9	NATION RANKING	27

CHAPTER 15 - TASKS	28
15.1 PILOT DECLARED GOAL (PDG).....	28
15.2 JUDGE DECLARED GOAL (JDG).....	28
15.3 HESITATION WALTZ (HWZ).....	28
15.4 FLY IN (FIN).....	28
15.5 FLY ON (FON).....	29
15.6 HARE AND HOUNDS (HNH).....	29
15.7 WATERSHIP DOWN (WSD).....	30
15.8 GORDON BENNETT MEMORIAL (GBM).....	30
15.9 CALCULATED RATE OF APPROACH TASK (CRT).....	30
15.10 RACE TO AN AREA (RTA).....	31
15.11 ELBOW (ELB).....	31
15.12 LAND RUN (LRN).....	31
15.13 MINIMUM DISTANCE (MDT).....	32
15.14 SHORTEST FLIGHT (SFL).....	32
15.15 MINIMUM DISTANCE DOUBLE DROP (MDD).....	32
15.16 MAXIMUM DISTANCE TIME (XDT).....	33
15.17 MAXIMUM DISTANCE (XDI).....	33
15.18 MAXIMUM DISTANCE DOUBLE DROP (XDD).....	33
15.19 ANGLE (ANG).....	33
15.20 3D Shape Task (3DT) (for events with logger scoring).....	34

Related Documents (latest version):

GS	Sporting Code, General Section
S1	Sporting Code, Section 1
SOH	Safety Officer Handbook
COH	Competition Operation Handbook

Note: Guidelines for software developers and scoring officials are provided in the COH. Furthermore the Penalty Guide in the COH provides formulas to quickly calculate penalties for PZ infringements.

SECTION 0**0. 1 SUMMARY**

The Balloon Live Contest is an international decentralised balloon competition running over a given time period. Scoring flights are based on defined track records documented by Balloon Live app and sensor. Flight documentation must be submitted for valuation to the watchme-fly.net using the Balloon Live app. FAI/CIA will limit the data published about each flight in accordance with personal data protection laws and regulations. The FAI/CIA will archive all flight data for future reference.

0. 2 COPYRIGHT

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0. 3 CHANGES TO AXMER

The rules of this decentralised contest are based on the 2021 AX Model Event Rules (AXMER2021)

Some rules have been taken out as they are not relevant to this type of competition.

The numbering in section I and II has been adapted to have all rules in sequence. The deletion of rules or parts of in section III has not changed the overall numbering compared to AXMER 2021. New wordings or rules are written in green.

SECTION I - EVENT DETAILS

I. 1 TITLE

The Event shall be known as: **Balloon Live Contest 2021**

I. 2 SANCTION (S1 An3 2)

THE EVENT IS VERIFIED AND may be SANCTIONED by any country on an individual basis.

I. 3 ORGANIZATION

The Event is organised by FAI Ballooning Commission with the help of participating national associations and contest operators.

I. 4 CORRESPONDENCE

All entries and official correspondence should be addressed to:

FAI Ballooning Commission - Balloon Live
Av. De Rhodanie 54
CH-1007 Lausanne

contest@balloonlive.org

I. 5 PERSONNEL

Event Director : Claude WEBER
Deputy Director : Sylvia MEINL
Scoring Officers : Mike MEINL (scoring coordinator)
Erwin PELLEGRINI
Christian DRESSEN
and more tba

Jury : Thomas FINK (president)
Marc ANDRE
Maury SULLIVAN

I. 6 PLACE

The Event will not have a central event location. The tasks can be flown anywhere in the contest area.

I. 7 DATES

The Event will start on 01.05.2021 with the publication of the General Briefing information.

The publication of the first task sheet will be within a few days after the General Briefing information.

The time period, during which the TDS may be flown, is defined for each TDS individually.

The last possible flying day will be 31.12.2021 unless a different date is indicated in the TDS.

The publication of the final results is planned to be latest on 20.01.2022.

I. 8 PROTEST FEE (S1 An3 8.3)

THE PROTEST FEE TO ACCOMPANY A PROTEST SHALL BE 100 EUROS.

I. 9 LANGUAGE (GS 4.9.5 part)

I. 9.1 THE OFFICIAL LANGUAGE(S) OF THE EVENT SHALL BE ENGLISH.

I. 9.2 Published material shall be in English. 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 PARTICIPATION (GS 4.6.1 part)

The event is open to all pilots with a valid pilot license for hot air balloons and familiar with the rules of the event.

The scores of the competition will be calculated as the total scores of all competitors.

Participating pilots assure that at registration and for all competition flights they have all privileges of their license to fly a balloon (valid medical, valid pilot license, recency...).

I. 11 CLOSING ENTRY DATE

The closing entry date for the Event is 31.07.2021.

Entries after publication of the first task sheets shall not be reason for protest.

Any task sheet published before that date will be flyable until at least 15.08.2021.

I. 12 RISK

The balloon and other property of a competitor shall be at the risk of the competitor at all times. By entering an Event a competitor agrees to waive all claim for injury to himself or loss or damage to his property.

I. 13 INSURANCE

Each balloon shall be insured against all claims by third parties. The competitor may have to 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 contest area is defined by the territories of all countries the participating pilot can fly legally.

There will be no official printed nor electronic competition map. Any map covering any part of the contest area can be considered as competition map.

II. 2 OUT OF BOUNDS (7.2)

All PZs are out of bounds

II. 3 PZ LIST (7.3)

There are no yellow PZs

There are no red PZs.

All airspace above 9000ft MSL is defined as a general blue PZ.

This rule does not change the obligation to respect air law.

II. 4 LANDOWNER'S PERMISSION (9.2.2)

We consider that all competitors meet landowners in a reasonable and respectful way and will mostly use open and permitted areas for takeoff.

II. 5 LIVESTOCK AND CROP (10.6)

We consider that all competitors have a reasonable and respectful way to deal with livestock, crop and natural reserves.

II. 6 DRIVING LAW (10.11)

The driving law of the local country applies

II. 7 AIR LAW (10.14)

The air law of the country applies where the pilot has his license and where the flight takes place.

Penalty for infringing air law (as defined in 10.14) will be No Result in all tasks of that flight.

II. 8 GOALS SELECTED BY A COMPETITOR (12.2)

Only 2D- and 3D-goals will be used in the competition.

II. 9 LOCATION OF OFFICIAL NOTICE BOARD (5.10)

The Official Notice Board will be hosted on www.watchmefly.net > Balloon Live Contest 2021.

There will be no physical Official Notice Board.

II. 10 COMMUNICATION TIMES (5.3)

The times will be announced on the respective TDS and notified by Whatsapp-group.

II. 12 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. The app is available for iOS and Android and must be installed by each competitor beforehand on his own recording device (smartphone or tablet). The price of

the app is approx. 5,49€ in most countries. The sensor is available from Flytec Balloon.

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

b) Change the operation mode:

Start the app “Balloon Live” > Menu > Change mode

Select one of the following application modes:

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 markerdrops) is stored.

Pull down the red label to start a new flight.

Competition Mode

When entering competition mode, the latest competition data is retrieved from the server. To enter this mode, you must enter the competition token send to you once registered to the event. 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 is mandatory for all flights. Please make sure the sensor is connected using bluetooth before entering competition mode.

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.

Pull down the red label to start a new flight and transmit the track data to the server.

c) Preconfigured setup for this competition:

- Competition name: Balloon Live Contest 2021
- Logging interval (seconds): 1
- UTC offset (seconds): 0
- Allow multiple marker drops: deactivated
- Allow multiple goal declarations: activ
- Declaration format: 5/4
- Altitude mode: GPS-altitude
- 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 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 (or sensor if used) must remain attached to the basket (uprights or basket edge) to ensure optimum GPS reception.
- Declarations must be made in 5/4 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 track recording must be stopped by pulling down the green label in the Balloon Live app.

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

e) Scoring:

- Every TDS can only be flown, recorded and scored once, unless otherwise stated in the TDS.
If more flights are recorded to the same TDS, the first recorded track will be used. If more than one flight is permitted, then the last valid flight recorded will be used, unless otherwise stated in the TDS
- 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 a 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. The number of unsent track points is shown at the top right (number next to the cloud with the arrow) and will show 0 when all points are transferred.

The track must be transferred to the server latest 6 hours after the flight recording 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. In such case, explicit permission must be given by the competitor and the publication should have a minimum of 10 min delay

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.

II. 13 ALTITUDE (14.6.4)

The altitude used for the competition is the GPS-altitude as provided by the Balloon Live sensor connected. If the sensor connection fails in flight, the app will continue to record the altitude (and coordinates) as provided by the device (phone/tablet). This altitude will then be used for scoring.

II. 14 2D/3D SCORING METHODS (12.22.2) (for events with logger scoring)

Unless otherwise stated in the TDS, only 3D-scoring will be used.

II. 15 COMPETITION STRUCTURE (6.1)

The competition will be conducted using the logger-app “Balloon Live” with connected “Balloon Live Sensor” only.

II. 16 MAP COORDINATES (7.8)

The basic map coordinate of a UTM map with WGS84 datum is:
(Include map datum, grid system, variation (Magnetic-, Grid- and True North)

32K (Zone reference, where 32=zone and K=latitude band)
458565 (6 digit Easting)
5552261 (7 digit Northing)

Competitors will declare goals in the 5-4-format, to the 10-meter.

The first five digits represent easting and second four digits northing. (e.g. 45856-5226)

SECTION III - RULES

CHAPTER 1 - OBJECTIVES

1.1 OBJECTIVES (S1 5.2)

THE OBJECTIVES OF THE EVENT ARE:

- TO DETERMINE THE CHAMPION PILOT;
- TO STIMULATE THE DEVELOPMENT OF AEROSTATION BY AN INTERNATIONAL COMPARISON OF PERFORMANCE OF PILOTS AND AEROSTATS;
- TO REINFORCE FRIENDSHIP AMONGST AERONAUTS OF ALL NATIONS.

1.2 DEFINITION OF A CHAMPION (S1 5.8)

1.2.1 THE WINNING COMPETITOR SHALL BE THE COMPETITOR WITH THE HIGHEST AGGREGATE SCORE AT THE END OF THE EVENT.

1.2.2 The winning nation shall be the NAC with the best Nation Ranking at the end of the event.

1.2.3 TO BE RECOGNIZED AS A FIRST CATEGORY SPORTING EVENT AND FOR A CHAMPION TO BE DECLARED, AT LEAST THREE TASKS MUST HAVE BEEN COMPLETED ON NOT LESS THAN TWO SEPARATE FLIGHTS.

1.3 INTERPRETATION OF ENGLISH WORDING

1.3.1 **Shall** and **Must** mean the application is mandatory. Failure to comply will normally lead to a penalty, disadvantageous interpretation or other disadvantages.

1.3.2 **Should** means that the application is recommended. Failure to comply may lead to penalties, disadvantageous interpretation or other disadvantages.

1.3.3 **May** means that the application is optional.

1.4 DOCUMENTATION

Each competitor is responsible for the proper registration and insurance of his balloon. By accepting to compete in this competition, the pilot confirms that he has all necessary and valid licenses and privileges to fly his balloon

The organiser will normally not check any documents but may ask for copies of the related documents to be sent in.

CHAPTER 2 - ENTRY CONDITIONS

2.1 COMPETITOR (GS 4.5.2 part, S1 5.5.5)

2.1.1 A PERSON ENTERED AND COMPETING IN A SPORTING EVENT.

2.1.2 Competitors can register until the registration deadline as published. The list of registered competitors will be updated as soon as practicable.

2.2 COMPETITOR'S RIGHTS OF REPRESENTATION (GS 4.7.1, S1 5.1.1)

2.2.1 IN INTERNATIONAL SPORTING EVENTS, A COMPETITOR REPRESENTS THE NAC THAT ISSUED HIS FAI SPORTING LICENCE, UNLESS HE BELONGS TO AN INTERNATIONAL TEAM.

2.2.3 WORLD CHAMPIONSHIPS, CONTINENTAL REGIONAL CHAMPIONSHIPS AND SPECIAL INTERNATIONAL SPORTING EVENTS can be held in the following categories:

GENERAL: WITH NO GENDER OR AGE LIMITATION.

FEMALE: WHERE ALL PERSONS ON BOARD OF THE AEROSTAT, EXCEPT FOR COMPETITION OFFICIALS, MUST BE FEMALE.

JUNIOR: WHERE ALL PERSONS ON BOARD OF THE AEROSTAT, EXCEPT FOR COMPETITION OFFICIALS, MUST BE AGED LESS THAN the age limit defined in S1.

2.3 QUALIFICATION (S1 5.6.4.1)

PILOTS-IN-COMMAND SHALL HAVE BEEN AUTHORIZED TO ACT AS PILOT-IN-COMMAND OF THAT SUB-CLASS OF AEROSTAT FOR WHICH THE FIRST CATEGORY EVENT IS HELD, AT LEAST TWELVE MONTHS PRIOR TO THE START OF THE EVENT. EACH PILOT-IN-COMMAND SHALL HAVE ACCUMULATED AT LEAST 50 HOURS AS PILOT-IN-COMMAND OF AEROSTATS OF THAT SUB-CLASS BY THE CLOSING ENTRY DATE.

2.4 SPORTING LICENCE (GS 3.1.2 part)

THE HOLDER OF A SPORTING LICENCE ACKNOWLEDGES THAT HE KNOWS AND UNDERSTANDS THE FAI SPORTING CODE AND COMMITS HIMSELF TO ABIDE BY IT.

2.5 ENTRY

The completed entry form and entry fee for each competitor must reach the organisers by the closing entry date, except in the case of extra places offered by the organisers.

2.6 ACKNOWLEDGEMENT

A competitor who has not received an acknowledgement of his entry within seven days after the closing entry date should make inquiries of the organisers.

2.7 ACCEPTANCE OF SPORTING CODE, RULES AND REGULATIONS (GS 4.11.1)

THE ENTRANTS AND COMPETITORS ARE REQUIRED TO KNOW, UNDERSTAND, ACCEPT AND ABIDE BY THE SPORTING CODE AND THE RULES AND REGULATIONS FOR THE EVENT, AND BY ENTERING ARE DEEMED TO ACCEPT WITHOUT RESERVATION. THEY SHOULD APPRECIATE THAT THEY REPRESENT THEIR NAC AND THAT THEY SHOULD COMPETE IN A SPORTING MANNER AND THAT THEIR BEHAVIOUR MUST BE BEYOND REPROACH.

2.8 WAIVER

By entering the Event, a competitor waives any right of action against the organiser, the owner of any site and their respective members, employees or personnel for any loss or damage sustained by him in consequence of any act or omission on their part, or on the part of other competitors.

2.9 LIABILITY TO THIRD PARTIES

By entering an Event a competitor assumes all liability for injury, loss or damage to third parties or their property caused by himself or his crew.

2.10 SAFETY

Any meteorological report or forecast, or other safety or navigational information, must be obtained by the pilot himself.

2.11 RESPONSIBILITY (S1 An3 3)

ENTRANTS AND COMPETITORS REMAIN COMPLETELY RESPONSIBLE FOR THE SAFE OPERATION OF THEIR AEROSTATS AT ALL STAGES OF INFLATION, LAUNCH, FLIGHT AND LANDING. THEY MUST ENSURE THAT THEIR EQUIPMENT, THEIR CREW AND THEIR OWN LEVEL OF SKILL AND EXPERIENCE ARE SUITABLE FOR THE CONDITIONS IN THEIR OWN JUDGEMENT. A COMPETITOR IS RESPONSIBLE FOR ALL THE ACTIONS OF HIS CREW DURING THE EVENT.

2.12 CONDUCT (S1 An3 4)

ENTRANTS AND COMPETITORS AND THEIR CREWS ARE REQUIRED TO BEHAVE IN A SPORTSMANLIKE MANNER, AND TO COMPLY WITH THE DIRECTIONS OF EVENT OFFICIALS. INCONSIDERATE BEHAVIOUR SHALL BE PENALISED BY THE EVENT DIRECTOR.

CHAPTER 3 - BALLOON QUALIFICATIONS

3.1 DEFINITION OF A BALLOON (S1 2.1.1.2)

3.1.1 Aerostat - an aircraft lighter-than-air.

Free balloon - an aerostat supported statically in the air, with no means of propulsion by any power source.

3.1.2 SUB-CLASS AX - FREE BALLOONS WHICH OBTAIN THEIR BUOYANCY SOLELY AS A RESULT OF HEATING AIR. THE ENVELOPE MAY CONTAIN NO GASES OTHER THAN AIR AND THE NORMAL PRODUCTS OF COMBUSTION.

3.1.3 The use of vents which are designed to propel a balloon is prohibited. Turning vents may only be operated in flight for the purpose of orienting the basket. Prolonged or excessive use of the turning vents is prohibited. Penalty 250 to 500 task points.

3.2 FUEL

Each balloon shall carry sufficient fuel to complete the flight with an adequate reserve. Lack of fuel to complete a flight shall not be grounds for protest.

3.4 AIRWORTHINESS (S1 5.5.3)

AEROSTATS FLOWN IN THE EVENT MUST HAVE CURRENT CERTIFICATES OF REGISTRATION AND AIRWORTHINESS, OR IN PLACE OF THE LATTER, AN EQUIVALENT DOCUMENT FROM THE RECOGNIZED AUTHORITY OF THE NATION CONCERNED. THE ORGANIZERS ARE EMPOWERED TO REJECT ANY AEROSTAT WHICH IN THEIR OPINION IS NOT OF A REASONABLE STANDARD OF AIRWORTHINESS.

3.6 AUTOMATIC FLIGHT CONTROLS (S1 5.9.2)

ANY DEVICE DESIGNED TO ACT AS AN AUTOMATIC FLIGHT CONTROL IS PROHIBITED, REGARDLESS OF THE SPECIFIC NATURE OF THE DEVICE.

3.7 ALTIMETER

Each balloon shall carry a serviceable altimeter.

3.8 COMPETITION NUMBERS

~~The organiser will provide two banners (as specified in the COH) which will be displayed on opposite sides of the basket during tasks. All crew vehicles shall be clearly identified on opposite sides with competition numbers.~~

3.9 BASKET

The term "basket" includes any crew or passenger compartment, regardless of its construction.

CHAPTER 4 - ORGANIZATION OFFICIALS**4.1 EVENT DIRECTOR (GS 5.5.1)**

- 4.1.1 THE EVENT DIRECTOR SHALL BE IN OVERALL OPERATIONAL CHARGE OF THE EVENT. HE SHALL HAVE A DEPUTY DIRECTOR AND TECHNICAL OFFICIALS TO ASSIST HIM. THE EVENT DIRECTOR AND DEPUTY SHALL BE APPROVED BY THE CIA.
- 4.1.2 THE EVENT DIRECTOR IS RESPONSIBLE FOR THE GOOD MANAGEMENT, SMOOTH AND SAFE RUNNING OF THE EVENT. HE SHALL MAKE OPERATIONAL DECISIONS IN ACCORDANCE WITH THE RULES OF THE SPORTING CODE AND COMPETITION RULES. HE CAN PENALISE OR DISQUALIFY A COMPETITOR FOR MISCONDUCT OR INFRINGEMENT OF THE RULES. HE SHALL ATTEND MEETINGS OF THE INTERNATIONAL JURY AND GIVE EVIDENCE IF REQUESTED.
- 4.1.3 In these rules the word "Director" may be used instead of "Event Director".

4.2 STEWARDS (GS 5.5.2)

- 4.2.1 STEWARDS ARE ADVISORS TO THE DIRECTOR. THEY WATCH OVER THE CONDUCT OF THE EVENT AND REPORT ANY UNFAIRNESS OR INFRINGEMENT OF THE REGULATIONS OR BEHAVIOUR PREJUDICIAL TO THE SAFETY OF OTHER COMPETITORS OR THE PUBLIC OR IN ANY WAY HARMFULL TO THE SPORT. THEY ASSEMBLE INFORMATION AND FACTS CONCERNING MATTERS TO BE CONSIDERED BY THE INTERNATIONAL JURY.
- They advise the Director on interpretation of the rules and regulations and on penalties
- 4.2.2 A STEWARD HAS NO EXECUTIVE POWERS. HE MUST NOT BE A MEMBER OF THE ORGANISING COMMITTEE. A STEWARD MAY ATTEND A MEETING OF THE INTERNATIONAL JURY AS AN OBSERVER OR WITNESS.

4.3 DUTIES OF THE INTERNATIONAL JURY (GS 5.4.1.1, 5.4.2.4, 5.4.2.5. S1 5.10 part)

- 4.3.1 MATTERS OF ADVICE, ARBITRATION OR RULE INTERPRETATION, SHALL BE THE RESPONSIBILITY OF THE INTERNATIONAL JURY, HAVING BEEN APPOINTED BY THE CIA.
- 4.3.2 IN ADDITION TO BEING CHAIRMAN AT JURY MEETINGS, THE PRESIDENT HAS THE RIGHT TO REQUIRE THE ORGANISERS TO ABIDE BY THE FAI SPORTING CODE AND THE PUBLISHED RULES AND REGULATIONS FOR THE EVENT. IF THE ORGANISERS FAIL TO DO SO, THE PRESIDENT OF THE JURY HAS THE POWER TO STOP THE EVENT UNTIL A JURY MEETING HAS CONSIDERED THE SITUATION
- 4.3.3 THE JURY HAS THE RIGHT TO TERMINATE THE EVENT IF THE ORGANISERS FAIL TO ABIDE BY THE FAI SPORTING CODE AND PUBLISHED REGULATIONS. THEY MAY RECOMMEND TO THE FAI SECRETARY GENERAL THAT ALL ENTRY FEES BE RETURNED.
- 4.3.4 A JURY MEMBER MUST POSSESS A THOROUGH KNOWLEDGE OF THE RELEVANT SPORTING CODE AND THE RULES AND REGULATIONS FOR THE EVENT. AT LEAST ONE JURY MEMBER IS TO BE ON SITE DURING COMPETITION OPERATIONS.

4.4 SAFETY OFFICER (S1 5.11.1)

- 4.4.1 THE SAFETY OFFICER SHALL BE APPROVED BY THE CIA.
- 4.4.2 THE SAFETY OFFICER SHALL GIVE ADVICE TO THE EVENT DIRECTOR ON ANY MATTERS REGARDING SAFETY. MANDATORY OPERATIONAL PROCEDURES FOR THE SAFETY OFFICER ARE CONTAINED IN THE SOH.

CHAPTER 5 - COMPLAINTS AND PROTESTS**5.1 ASSISTANCE (GS 6.1.3 S1 An3 7.1)**

AT ANY TIME DURING THE EVENT, A COMPETITOR WHO IS DISSATISFIED ON ANY MATTER SHOULD FIRST ASK THE APPROPRIATE OFFICIAL FOR ASSISTANCE.

HE MAY ASK FOR HIS RESULT OR POINTS SCORE TO BE CHECKED, OR THE CALCULATION TO BE EXPLAINED.

IF STILL DISSATISFIED, A COMPLAINT MAY BE MADE, BY THE COMPETITOR, TO THE EVENT DIRECTOR OR HIS DESIGNATED OFFICIAL.

5.2 COMPLAINT (GS 6.1.1, S1 An3 7)

5.2.1 THE PURPOSE OF A COMPLAINT IS TO OBTAIN A CORRECTION WITHOUT THE NEED TO MAKE A FORMAL PROTEST.

5.2.2 A COMPLAINT IS A REQUEST BY A COMPETITOR TO THE DIRECTOR TO INVESTIGATE ANY MATTER IN WHICH THE COMPETITOR IS DISSATISFIED.

5.2.3 A FORMAL COMPLAINT MUST BE SUBMITTED IN ENGLISH AND IN WRITING AND WILL RECEIVE A WRITTEN REPLY.

5.2.4 COMPLAINTS SHALL BE HANDED OR TRANSMITTED BY THE COMPETITOR TO THE EVENT DIRECTOR OR HIS DESIGNATED OFFICIAL, WHO WILL ACKNOWLEDGE RECEIPT AND RECORD THE TIME OF RECEIPT.

5.3 COMMUNICATION (S1 An3 7.7)

REPLIES TO COMPLAINTS SHALL BE POSTED ON THE OFFICIAL NOTICE BOARD AT FIXED TIMES, ANNOUNCED IN ADVANCE BY THE DIRECTOR.

5.4 PUBLICATION (S1 An3 7.7)

THE DIRECTOR MAY AT HIS DISCRETION PUBLISH THE TEXT OF ANY FORMAL COMPLAINT TOGETHER WITH HIS REPLY. IF REQUESTED BY THE COMPETITOR, HE MUST DO THIS.

5.5 PROTEST (S1 An3 8)

5.5.1 IF DISSATISFIED WITH THE DECISION ON A COMPLAINT MADE DURING THE EVENT, A COMPETITOR HAS THE RIGHT OF PROTEST.

5.5.2 DECLARATIONS OF INTENTION TO PROTEST AND PROTESTS WITH PROTEST FEES SHALL BE HANDED OR TRANSMITTED BY THE COMPETITOR TO THE EVENT DIRECTOR OR HIS DESIGNATED OFFICIAL, WHO WILL ACKNOWLEDGE RECEIPT AND RECORD THE TIME OF RECEIPT.

5.5.3 A COMPETITOR WHO HAS MADE A PROTEST HAS THE RIGHT TO MAKE A VERBAL PRESENTATION OF HIS CASE TO THE JURY. HE MAY BE ASSISTED BY AN INTERPRETER OR ADVISOR OF HIS CHOICE DURING THIS MEETING.

5.5.4 THE TEXT OF ALL PROTESTS AND THE DECISIONS OF THE JURY SHALL BE POSTED ON THE OFFICIAL NOTICE BOARD.

5.6 TIME LIMITS (S1 An3 7)**5.6.1 TIME LIMITS FOR COMPLAINTS**

5.6.1.1 COMPLAINTS MUST BE SUBMITTED AS SOON AS POSSIBLE AFTER THE EVENT GIVING RISE TO THE COMPLAINT AND MUST BE DEALT WITH EXPEDITIOUSLY.

5.6.1.2 Complaints concerning scoring must be made to the Director within **7 days** eight hours of publication of the official scores for a task. ~~The rest hours defined in the competition details will be disregarded for the purpose of the time limits.~~

- 5.6.1.3 Publication of a new version of official scores will only extend the complaint time in the matter concerned.
- 5.6.2 TIME LIMITS FOR PROTESTS**
- 5.6.2.1 A competitor intending to protest, SHALL, WITHIN ONE HOUR OF THE REPLY TO HIS COMPLAINT, DECLARE HIS INTENTION TO PROTEST TO THE EVENT DIRECTOR.
- 5.6.2.2 WITHIN 7 days OF THE REPLY TO HIS COMPLAINT THE COMPETITOR SHALL SUBMIT HIS PROTEST IN ENGLISH AND IN WRITING ACCOMPANIED BY THE PROTEST FEE.
- 5.6.3 SHORTENED TIME LIMITS FOR COMPLAINTS AND PROTESTS (S1 An3 7.6, 8.6 part)**
- 5.6.3.1 COMPLAINTS MADE ON OR AFTER THE LAST DAY OF THE EVENT, MUST BE SUBMITTED to the Director within 7 days of publication of the official scores.
- 5.6.3.2 PROTESTS MADE ON OR AFTER THE LAST DAY OF THE EVENT MUST BE SUBMITTED WITHIN ONE HOUR OF THE REPLY.
- 5.7 TREATMENT OF PROTESTS (GS 6.4)**
- 5.7.1 THE EVENT DIRECTOR MUST PRESENT ANY PROTEST TO THE JURY PRESIDENT WITHOUT DELAY. THE PRESIDENT SHALL CALL A MEETING OF THE INTERNATIONAL JURY WITHIN 7 days OF RECEIVING A PROTEST.
- 5.7.2 THE JURY SHALL HEAR BOTH SIDES ON THE MATTER OF ANY PROTEST, APPLYING THE RELEVANT FAI REGULATIONS AND THE RULES FOR THE EVENT.
- 5.7.3 THE PRESIDENT OF THE JURY SHALL REPORT THE RESULT AND A SUMMARY OF ANY RELEVANT CONSIDERATIONS IN WRITING TO THE EVENT DIRECTOR WITHOUT DELAY, WHO SHALL MAKE PUBLIC THE PRESIDENT'S REPORT.
- 5.8 RETURN OF DEPOSIT (GS 6.3.3, 6.3.4)**
- 5.8.1 NORMALLY THE DEPOSITED FEE IS RETURNABLE ONLY IF THE PROTEST IS UPHELD, OR IS WITHDRAWN PRIOR TO THE HEARING BY THE JURY.
- 5.8.2 ALL NON-REFUNDED DEPOSIT FEES FROM PROTESTS WILL BE SENT BY THE JURY TO THE FAI, TO THE ATTENTION OF THE SECRETARY GENERAL, WITHIN 28 DAYS OF THE CONCLUSION OF THE EVENT. THE FEE WILL THEN BE SEGREGATED FOR THE USE OF THE CIA.
- 5.9 JURY APPROVAL OF SCORES & PRIZEGIVING (GS 5.4.2.7.2, 4.16.1)**
- 5.9.1 THE LAST ACTION OF THE JURY IS TO VERIFY AND APPROVE THE COMPETITION RESULTS OF THE EVENT AND DECLARE THE EVENT VALID PROVIDING IT HAS BEEN CONDUCTED IN ACCORDANCE WITH THE RULES AND THE DECISIONS OF THE JURY.
- 5.9.2 THE scores OF THE EVENT SHALL BE FINAL ONLY AFTER ALL PROTEST HAVE BEEN DEALT WITH BY THE JURY AND THE JURY HAS CEASED ITS FUNCTIONS. THE FINAL scores MUST BE MADE PUBLIC BEFORE THE PRIZEGIVING IS HELD.
- 5.9.3 The Jury shall verify and sign the final total scores before they are made public.

5.10 OFFICIAL NOTICE BOARD

- 5.10.1 The Official Notice Board (ONB) is the place where all results, scores, replies to complaints and protests, and other official communications directly relating to the event will be published. It should be marked OFFICIAL NOTICE BOARD. All information posted shall be dated and timed.
- 5.10.2 The ONB will either be on-line or in paper format.
- 5.10.3 All information posted on the paper ONB will be additionally signed.
- 5.10.4 In case of unavailability of the on-line ONB, a fallback ONB will be installed and competitors shall be notified. In case of conflict between the initial ONB and the fallback ONB the initial ONB will prevail.

CHAPTER 6 – OBSERVERS AND LOGGERS**6.1 COMPETITION STRUCTURE**

The competition will be conducted as defined in Section II. Rules 6.2 to 6.8 apply only to competitions with observers

6.2 OBSERVERS

An Observer is a competition official, responsible to the Chief Observer. His duties are primarily the impartial recording of particulars of positions, times, distances etc. achieved during a flight. He also has the duty to report any apparent infringement of these rules or of air law, and any case of inconsiderate behaviour towards landowners or the public by any competitor or crew member.

6.3 APPOINTMENT

At the task briefing an Observer will be appointed to each competitor. An Observer will not be appointed to the same competitor more than once. In WAG, World Championships and European Championships, the observer will not be of the same nationality as the competitor.

6.4 ASSISTANCE

6.4.1 An observer may not assist the competitor with advice at any time. He should not attempt, to amplify, explain or interpret the rules to a competitor.

6.4.2 He may not handle the marker or any of the controls of the balloon during a task.

6.4.3 If he wishes, and is invited by the competitor, he may assist in the ground handling and inflation and, if flying, may assist with the final landing under the competitor's direction.

6.5 REQUEST TO WITNESS

If an observer is asked by a competitor to record or witness any particular piece of information during a task he shall do so.

6.6 OBSERVER ON RETRIEVE

6.6.1 When the observer is not flying, he will occupy a seat with a window in the retrieve vehicle and the crew must do their best to keep in visual contact with the balloon until the final marker has been dropped. The observer may not drive the vehicle. He may assist with map reading during the retrieve if asked to do so by the crew, at their responsibility.

6.6.2 It is the duty of the competitor and crew to convey the observer to the launch area, and to return him promptly to the Competition Center after measurement of results and recovery of the balloon.

6.6.3 In events using Observers, it is the duty of the retrieve crew to assist the Observer to locate the marker and measure its position. The Observer may not be left unaccompanied to search for a marker.

6.7 PHOTOGRAPHY

An Observer may not take a camera on board or engage in photography while flying, except by permission of the competitor, or if required by his duties.

6.8 OBSERVER REPORT

The competitor should read and sign the observer's report sheet after completion of the flight. If the competitor disagrees with any information on the sheet, it should be noted at the time of signing.

6.9 GPS LOGGERS

A GPS logger is a device that logs track and altitude of a balloon. The track points of the log will specify the position (latitude/longitude), the altitude (barometric or GPS altitude) and a time stamp. Devices enabling competitor's input may additionally be available depending on the type of logger. GPS loggers may be used in competition as an observation tool to monitor compliance with the rules, for task setting and for achieving a score or result. Competitors shall comply with the operational instructions on their use.

6.10 HANDLING

6.10.1 Rules on the handling of loggers are specified in Section II.

6.10.2 The competitor will take the logger with him, switch it on and attach it to his balloon before take-off on the appropriate spot.

6.10.3 After landing he will detach the logger and switch it off.

6.10.4 At no time is the competitor allowed to open or interfere with the logger or its operation other than specifically instructed by the Director.

6.11 FLIGHT REPORT FORM (FRF) (in events without observers)

6.11.1 A flight report form (FRF) stating the take-off and landing place and time, estimated task results, landowner related issues and other relevant data shall be completed and signed by the competitor [on watchmefly.net](http://onwatchmefly.net)

6.11.2 The competitor will return the

- FRF
- logger(s)
- any unused marker

to the designated official(s) and sign off the return in a log sheet. Any undue delay in returning the above mentioned objects may be penalised.

6.12 RESPONSIBILITY

The competitor is responsible for any loss or damage [made to any of his scoring equipment](#).

6.13 GPS-LOGGER FAILURE

6.13.1 Reported malfunctions are considered failures only when they can be reproduced after flight. When a failure is found, the officials may ask the competitor to provide his [backup track recording](#) to substitute the missing track information.

6.13.2 In case both the official track log and the competitor's GPS-equipment are not providing the necessary information to establish a result, the competitor will not receive a result based on track points. It is therefore in the competitor's interest to equip himself with a GPS that provides track information usable for scoring (position, altitude and time) and use the same set-up (time interval etc.) as the official logger.

6.13.3 An electronic mark recorded by a competitor's GPS-equipment can only be used if the equipment has been approved by the Director before the flight or specific rules under Section II have been followed. Otherwise the competitor will be scored to his nearest electronic mark of the official logger, nearest physical mark or landing position, which ever is best. A score to a track point will not be made.

- 6.13.4 If no recorded track is usable because of a failure outside his control, the event director may, after consultation with the competitor, declare the recording as invalid and the competitor may fly the flight again.

CHAPTER 7 - MAPS**7.1 CONTEST AREA**

An area defined by reference to the Official Competition Map, published at the start of the Event. Tasks will not be set, and results will not be measured, outside this area.

7.2 OUT OF BOUNDS (OFB)

The Director may define areas or airspaces as out of bounds. Take-Offs or contest landings in OFB Areas are prohibited and the competitor will achieve no result in the relevant task. Goal declarations in OFB areas or airspaces will be considered invalid. Competitors cannot achieve a valid mark, valid track point or result in OFB areas or airspaces.

7.3 PROHIBITED ZONES (PZs)

7.3.1 The Director may define airspace or areas as prohibited. A mark or track point inside red, yellow or blue PZ is valid unless the area is defined as OFB. The boundaries and, if applicable, the altitude limits in feet MSL, shall be published in writing for each PZ.

7.3.2 Circular PZs (cylinder or dome shape) shall be defined by the center point map reference and radius in meters and/or feet. PZs with natural boundaries shall be defined by marked copies of the competition map to each competitor individually.

7.3.3 There are three classifications of PZs, Red, Yellow and Blue.

7.3.4 A RED PZ is a restricted airspace and will include an upper altitude limit which a competitor shall not fly below. Ground handling is not permitted.

7.3.5 A YELLOW PZ is a restricted area where no take-offs, landings or ground handling are permitted.

7.3.6 A BLUE PZ is a restricted airspace and will include a lower altitude limit which a competitor shall not fly above.

7.4 PZs IN FORCE

At each task briefing PZs will be published as in force or not in force for competition purposes in that flight. This does not necessarily describe their operational activity or status for other aviation purposes.

7.5 PZ INFRINGEMENT

A competitor violating a PZ in force will be penalised by up to 1000 competition points, proportionally to the offence.

7.6 MAPS

A competitor is required to carry a competition map in the basket. All published PZs, whether or not in force for the task, and all out-of-bounds areas shall be clearly and accurately marked on these maps. An adequate map of aeronautical restrictions must be carried, unless these are also marked on the competition map. A competitor violating this rule will be penalised up to 250 competition points.

7.7 EARTH TO BE FLAT

For scoring purposes the earth is flat. Calculations based on the competition map will be taken as accurate.

7.8 MAP COORDINATES

To identify a point on the competition map, the coordinates must be written in eight-digit format (First four digits west/east and the second four digits south/north. Easting then Northing) or one of the formats as defined in Section II. For goal declaration of pre-defined goals, the complete goal number of the published list may be used. Penalty for inappropriate but unambiguous declarations is 100 task points.

7.9 DEGREE REFERENCE

Unless otherwise stated, directions are expressed in degrees referenced to the grid system printed on the competition map.

CHAPTER 8 - PROGRAM, BRIEFINGS**8.1 TASK PROGRAM**

The Event will consist of a series of tasks. The number and frequency of the tasks and rest periods are at the discretion of the Director.

8.2 VALID TASK (S1 5.9.1)

8.2.1 A VALID TASK IS DEFINED AS ONE IN WHICH ALL ENTERED COMPETITORS WERE GIVEN A FAIR OPPORTUNITY TO MAKE A VALID TAKE-OFF, UNLESS THEY HAD WITHDRAWN OR HAD BEEN DISQUALIFIED.

8.2.2 The Director has the authority to cancel a task(s) for safety reasons at any time before the official status task scores are published.

8.3 TASK SELECTION

The Director shall select tasks from those described in Chapter 15. Particular tasks may be set more than once or not at all.

8.4 MULTIPLE TASKS

8.4.1 The Director may set more than one task to be performed on one flight. The tasks will be scored separately, with a winning score of 1000 points before penalties for each task. The combination of tasks should aim at the possibility of winning each task independently.

8.4.2 Unless otherwise specified, tasks in a multiple task flight shall be flown in the order indicated in the task data, penalty up to 1000 task points in each task.

8.4.3 When markers are used, dropping the marker(s) of a task inside the set MMA indicates the completion of that task and the start of the follow on task, if applicable.

8.4.4 Competitors missing the MMA or choosing not to drop their marker(s) or when scoring by track points is indicated, are considered flying in the follow on task if they cross the boundary line (area, grid line, arc, etc.) or boundary time of the follow on task.

8.4.5 If electronic marks are used to determine the transition point from one task to another, then their use is mandatory as specified in Section II and/or the GB.

8.4.6 Penalties related to the take off will normally be applied in the first task. Penalties related to the landing will normally be applied in the last task. Other penalties should be applied in the task in which they were incurred unless this is impossible, in which case they will be divided equally over more than one or all tasks.

8.4.7 Unless track points are used, the task data shall specify for each task the marker(s) and/or electronic marks to be used. If no competitive advantage is gained, the penalty for releasing the wrong marker or dropping the wrong electronic mark is 25 task points per task.

8.4.8 If more than the allocated number of physical markers is released and achieve valid marks in a task, the competitor will be scored by track point. If an electronic mark is dropped more than once, the 1st electronic mark in time will be scored.

8.5 MODIFICATION OF RULES (GS 4.9.1 part)

8.5.1 COMPETITION RULES FOR A PARTICULAR EVENT SHALL NOT CONFLICT WITH THE SPORTING CODE. THEY SHALL BE APPROVED IN ADVANCE BY THE CIA AND MUST NOT BE CHANGED THEREAFTER.

8.5.2 The task rules of Chapter 15 are defined as variable rules and changes to those may be made without authorisation.

8.5.3 Variations to task rules shall be notified individually to each competitor in writing.

8.6 GENERAL BRIEFING (GB) (S1 An3 6)

A GENERAL BRIEFING ON THE RULES, REGULATIONS AND MAJOR ASPECTS OF THE EVENT SHALL BE HELD BEFORE THE START OF THE EVENT. ATTENDANCE AT THE GENERAL BRIEFING IS COMPULSORY FOR ALL ENTRANTS, OBSERVERS AND OTHER OFFICIALS.

The General Briefing consists of the publication of General Briefing information on the Official Notice board. Questions may be sent in up to 48 hours after the General Briefing information has been published. Documentation of the questions and the answers will be published within 24 hours after this deadline.

Competitors that enter the competition later, are referred to the published information only.

8.7 TASK BRIEFING

8.7.1 The publication of any task sheet will be made on the official notice board at least 4 days prior to the start of the related task sheet validity period. Questions may be submitted until latest 24 hours before the start of the task sheet validity period. The questions and answers will be published latest before the start of task sheet validity period.

There will be no additional briefings.

8.8 TASK DATA

8.8.1 At task briefings the task data, preferably in writing, shall be given to competitors. They shall contain flight data related to all tasks and individual task data.

8.8.2 Flight data:

- a. PZs in force
- b. minimum distance from ILP to all goals/targets set by the director (if applicable)
- c. launch period
- d. provisional time and place of next briefing

8.8.3 Individual task data:

- a. Marker(s) to be used (if used)
- b. Task/Marker order (if other than normal)
- c. Scoring period, scoring area and/or scoring airspace (if set)
- d. task data as per task rule

8.12 OFFICIAL TIME

The official time is GPS time UTC.

CHAPTER 9 - LAUNCH PROCEDURES

9.2 INDIVIDUAL LAUNCH AREAS

- 9.2.1 Individual launch areas are selected by the competitors. The boundary of the launch area is a circle of 100 meter radius from the position of the basket at the start of hot inflation.
- 9.2.2 Competitors must ensure permission has been obtained from the landowner or occupiers before driving onto, or launching from, any land which is enclosed or cultivated or apparently private or used for agricultural purposes. Penalty for infringement is up to 250 task points.
- 9.2.3 In tasks where competitors select an individual launch area, the INDIVIDUAL LAUNCH POINT (ILP) is the position of the basket at take-off. Unless otherwise stated in the TDS only one take-off is permitted.
- 9.2.4 In tasks where multiple take-offs are allowed, unless the balloon is deflated, the landing position of the discontinued flight is considered the ILP for the next take-off.
- 9.2.5 Individual launch areas shall not be selected outside the contest area. Penalty: no result in the first task of that flight.
- 9.2.6 A balloon inflated in an individual launch area shall not be moved and take off outside of it unless it is deflated, moved to another launch area and re-inflated. Penalty: no result in the first task of that flight.

9.17 LOSS OF CONTROL

A competitor losing control of his balloon shall deflate immediately or take appropriate action.

9.18 TAKE-OFF (S1 3.2, 3.3)

THE POINT IN POSITION AND TIME AT WHICH AN AEROSTAT FIRST BECOMES AIRBORNE.

AN AEROSTAT IS AIRBORNE WHEN ITS ENVELOPE, GONDOLA, CREW AND ALL SUBSTANTIAL PARTS OF ITS EQUIPMENT AND PAYLOAD HAVE NO CONTACT WITH THE GROUND OR WATER SURFACE OR ANYTHING ATTACHED OR RESTING ON THE GROUND OR WATER.

9.19 VALID TAKE-OFF

A balloon is considered to have taken off and to be flying the task(s) if a mark has been achieved or if the balloon passes over the boundary of any launch area.

9.20 ABORTED TAKE-OFF

- 9.20.1 A competitor may abort his take-off for safety reasons but must avoid the obstruction of other balloons. He may attempt further take-offs inside the Launch Period.

CHAPTER 10 - FLIGHT RULES**10.2 DANGEROUS FLYING**

Dangerous flying (e.g. any flying creating an unnecessary risk to other balloons, or people on the ground), not necessarily causing a collision, will be penalized up to disqualification from the event (GS 5.3).

10.4 DROPPING OBJECTS

No object may be dropped from the balloon except for official markers, or small pieces of paper or similar lightweight materials for navigational purposes.

10.5 BEHAVIOUR

Competitors are required to fly with proper consideration for persons and livestock on the ground and to follow good landowner relations etiquette or code of conduct when provided. Inconsiderate behaviour by competitors or crew members, or endangering the public during flight, may be penalised by up to 1000 competition points.

10.6 LIVESTOCK AND CROP

Balloons shall not fly closer than defined in Section II from livestock or buildings containing livestock, and competitors and crews must not damage crops unless given permission by the landowner or person responsible for the crop. Penalty: up to 1000 competition points.

10.7 LANDOWNER

In these rules the term "Landowner" means the person who is responsible for any crop or livestock on the land, not necessarily the legal owner of the land itself.

10.8 COLLISION

A competitor whose balloon is in collision with power or telephone wires or their supports, at any time between inflation and completion of final landing will be penalised up to 500 competition points. Collisions may additionally be penalised under the rule for dangerous flying.

10.9 PERSONS ON BOARD

10.9.1 Competitors may carry other crew during a flight, and they may perform any duties he wishes to assign to them, except to act as pilot-in-command.

10.10 GROUND CREW

10.10.1 Crew are those persons associated with the launch and retrieval of the balloon and those providing the pilot with information about the tasks such as weather, position of other balloons during the competition. They can act for several balloons but must be registered with a particular pilot or country. Those registered for a country will then be considered a crew member of each team associated with that country.

10.10.2 A country can nominate up to two National Team managers. These persons have to be nominated by competitors from that country. A seat at the briefings may be arranged and competition documents handed out.

10.10.3 Each competitor shall ensure that he has sufficient crew to operate his balloon and retrieve vehicle. He shall ensure that all those involved with his balloon are adequately briefed on safety.

10.11 DRIVING

Vehicles must be driven safely during the retrieve and comply with local driving laws.

Penalty up to 500 competition points

10.12 DISEMBARKATION

No person may enter or leave the basket between take-off and final landing.

10.13 ASSISTANCE

The use of handling lines or any handling assistance from persons on the ground is forbidden during flight.

10.14 AIR LAW

Infringements of air law which do not contravene the rules of the Event or provide competitive advantage will not be penalised by the Director except in cases of damage, disturbance or reasonable complaint from persons not connected with the Event.

10.15 RECALL PROCEDURE

The organiser may introduce a recall procedure to be defined in the competition details.

CHAPTER 11 - LANDINGS**11.1 LANDINGS**

A competitor may land at will when he has completed all tasks during flight.

11.2 LANDING AT WILL

11.2.1 When a competitor makes a landing at will, the landing point is the final resting place of the basket after landing.

11.2.2 Unless otherwise stated in the task data, a landing at will is not permitted within a MMA where a target is displayed or if no MMA is set, within 200 meters of any goal/target set by the Director or selected by the competitor or any physical mark of the competitor (for penalty see distance infringements).

11.3 CONTEST LANDING

11.3.1 The scoring position for a contest landing is the final resting place of the basket. Published scoring periods and search periods apply.

11.3.2 No handling assistance may be received from anyone on the ground and no one of the flight crew may leave the basket before the basket has reached its final resting place.

11.3.3 Any retained marker must be handed over to an official at the earliest opportunity.

11.3.4 Unless otherwise stated in the task data, a contest landing is not permitted within 200 meters of any goal/target set by the Director or selected by the competitor or within a MMA (for penalty see distance infringements).

11.4 GROUND CONTACT 1

After passing over the boundary of any launch area, no part of the balloon or anything attached to it may make solid contact with the ground or water surface or anything resting on or attached to the ground, until the last task has been completed. Penalty for each contact is 200 task points.

11.5 GROUND CONTACT 2

No part of the balloon or anything attached to it may make contact with the ground or water surface or anything resting on or attached to the ground (marker excepted), within the Marker Measuring Area, if set, or within 200 meters of any goal/target set by the Director or selected by the competitor. Penalty for each contact is 100 task points if light or 500 task points if solid. The penalty is applied to the task of the goal/target involved.

Notes:

- Competitors will not be penalised under both rules for any single contact.
- A contact is solid if it is prolonged or results in a change of motion of the basket or the envelope.

11.6 PERMISSION TO RETRIEVE

Competitors must ensure that permission has been obtained from the landowner or occupier before driving onto any land which is enclosed or cultivated or apparently private or used for agricultural purpose. Penalty up to 250 task points.

CHAPTER 12 - GOAL, MARKER, TRACK POINT**12.1 GOAL**

12.1.1 A place defined by grid reference to the competition map, set by the Director or chosen by a competitor.

12.2 GOAL SELECTED BY A COMPETITOR

12.2.1 A goal selected by a competitor shall appear from the map to be easily accessible to vehicles on the ground and precisely identifiable for measurement. Unless otherwise allowed in the task data, the goal shall be the intersection of two roads. According to the task data competitors may be required to choose one or more goals from the list of predetermined goals or as listed in the TDS.

12.3 DECLARATIONS BY COMPETITORS

12.3.1 A competitor shall identify his goal by map coordinates. He shall add descriptive detail to distinguish between possible goals located close together near his coordinates. For goal declaration of pre-defined goals the 3-digit goal number may be used.

12.3.2

12.3.3 A goal declaration violating the restrictions of Section II will be considered invalid and the competitor will not achieve a result. In case the competitor is allowed to declare more than one goal in a task and one or more goals are invalid, the competitor will be scored to the nearest valid goal if any.

12.3.4 In tasks where a competitor is required to declare his goal(s) or other declarations according to the TDS, he shall do so in writing and his declaration shall be deposited before declaration time at the place of the declaration box specified in the briefing data, clearly identified with his name and/or competition number. If more goals or declarations are made than permitted, the competitor will be scored to the least advantageous valid goal.

A competitor who wishes to revise his declaration may deposit a further declaration, within the declaration time, provided that it is clearly marked to distinguish it from any previous declaration(s).

The timekeeper will close the declaration box precisely at the declaration time, and will accept late goal declarations, writing the time in minutes and seconds on each.

12.3.5 Penalty for late declarations that have to be made by a specified time before take-off is 50 task points per minute or part minute late.
If the competitor fails to declare before take-off, he will not achieve a result.

12.3.6 If a declaration may be made in flight - before a defined time, point or boundary - and the competitor fails to do so, the declaration will be invalid.

12.3.7 Goals not meeting distance or relative altitude limitations will be scored according to the rule on distance infringements. Declarations not meeting boundaries or absolute altitude limits will be invalid.

12.3.8 If the competitor doesn't have a valid declaration, he will not achieve a result.

12.11 MARK

- 12.11.1 A physical mark is the point on the ground vertically below the weighted part of the marker where it comes to rest after falling from the balloon. If the marker has been moved after landing and there is indisputable evidence available showing its original position, measurements will be based on the evidence. If the marker is displaced after coming to rest or disappears subsequently from view (e.g. beneath water level), the earliest position an official or observer has seen the marker in ground contact will be taken with the accuracy available. Same applies, if the marker is carried on top of another balloon.
- 12.11.2 An electronic mark is a track point specially identified for scoring purposes. The technical details and procedures are defined in Section II. If the scoring criteria defined in the TDS are not met, the competitor will not achieve a result in the relevant task.
- 12.11.3 If no mark has been achieved the competitor will be scored to his next mark in time or landing position, whichever is best.

12.12 (NOT USED)

12.13 INTERFERENCE WITH MARKER

No person other than an official may touch or interfere with a marker on the ground.

12.17 SCORING PERIOD

- 12.17.1 When defined by the Director in the task briefing, the scoring period is the time limits, within which a goal/target or scoring area is valid.
- 12.17.2 A competitor will only score if his marker or any subsequent marker is found or seen falling to the ground by officials or he has landed, within the set time limit (except as noted in Rule 15.9). Otherwise, he will be scored by track point.
- 12.17.3 A competitor who does not achieve a scoring position within the scoring period (if set) or within the search period (if no scoring period is set) will not achieve a result.
- 12.17.4 Under all circumstances scoring after official sunset is prohibited.

12.18 SCORING AREA

- 12.18.1 An area or areas, defined by the Director in the task data within which a valid mark or track point can be achieved. Unless otherwise stated in the task data the boundary will be the inner hard surface or gravel edge of a road, the inner bank of a river, or other defined marked area. Any part of the weighted bag that is on the inner edge will be considered valid.
- 12.18.2 A competitor who does not achieve a scoring position inside the scoring area(s) will not achieve a result.

12.19 SCORING AIR SPACE

An air space or spaces defined by the Director in the task data within which a valid track point can be achieved. Unless otherwise stated in the task data the boundary will be defined by coordinate lines. The altitude limits are defined by altitude as recorded by the logger and under rule II.21. Any recorded track point exactly on the line or altitude limit will be considered valid.

12.20 MARKER MEASURING AREA (MMA)

- 12.20.1 The MMA is an area defined by a radius around a goal/target or an otherwise clearly defined area within which results will be achieved by markers.
- 12.20.2 The MMA will be provided for each task in which markers are used.
- 12.20.3 Competitors not achieving a physical mark within the MMA will be scored by track point or by their observer within limits described on the TDS (in events with observers).

12.21 VALID MARK

- 12.21.1 A physical mark is considered valid if it is within the scoring area or marker measuring area (MMA) and within the scoring period if set.
- 12.21.2 An electronic mark is considered valid if the recorded track point meets all scoring criteria defined in the TDS.
- 12.21.3 A valid physical mark shall have precedence over any track point or electronic mark.
- 12.21.4 Measurements will be made to the closest point of the weighted bag portion of the marker.

12.22 TRACK POINT

- 12.22.1 A track point is defined by recorded date / time, coordinates and altitude of a point of the track of a GPS logger.
- 12.22.2 When goals or targets are used, results based on track points will be the 2D, modified 3D or 3D-distance from the goal/target to the track or electronic mark. Details to be specified in Section II.
- 12.22.3 A competitor's result based on a track point cannot be better than the worst possible result in the MMA.
- 12.22.4 In tasks without goals or targets the horizontal distance (2D distance) between points will be used to calculate results.

12.23 VALID TRACK POINT

- 12.23.1 A valid track point is a track point meeting all scoring criteria set in the task data like scoring area and/or scoring airspace and/or scoring period.

CHAPTER 13 - PENALTIES**13.1 SERIOUS INFRINGEMENTS, UNSPORTING BEHAVIOUR (sS1 An3 5)**

- 13.1.1 Serious Infringements includes dangerous or hazardous actions or repetitions of lesser infringements, and will be penalised according to the appropriate rule.
- 13.1.2 DISHONESTY OR UNSPORTING BEHAVIOUR, INCLUDING DELIBERATE ATTEMPTS TO DECEIVE OR MISLEAD OFFICIALS, WILFUL INTERFERENCE WITH OTHER COMPETITORS, FALSIFICATION OF DOCUMENTS, USE OF FORBIDDEN EQUIPMENT OR PROHIBITED DRUGS, OR REPEATED SERIOUS INFRINGEMENTS OF RULES SHOULD, AS A GUIDE, RESULT IN DISQUALIFICATION FROM THE EVENT.

13.2 UNSPECIFIED PENALTIES

- 13.2.1 A competitor infringing any rule for which the penalty is not specified may have a penalty (distance, angle or time) applied to his result or a deduction of points.
- 13.2.2 Where safety is not an issue, and no competitive advantage has been gained, he may receive a warning in the first instance.
- 13.2.3 A competitor may not be penalised for infringing a rule for which the penalty is not specified, if he has already been penalised under the same rule in a previous task, but has not been informed of the fact before the beginning of the task in question, except for follow-on tasks in the same flight.

13.3 DISTANCE INFRINGEMENTS

- 13.3.1 Where the individual launch point, a goal selected by a competitor, a mark, or a final landing infringes a distance or altitude limit at any time, the competitor will be penalised.
- 13.3.2 If a launch point infringes a natural set boundary, the infringement is the distance to the closest correct point.
- 13.3.3 ~~Competitors landing in an MMA will not achieve a result in the related task. If no MMA is set, landing within 200 meters of goals/targets or any physical mark of the competitor will be penalised up to 200 task points.~~
- 13.3.4 Where the penalty relates to landing too close to a goal/target or mark, the competitor will only receive a penalty for the greater infringement.
- 13.3.5 The penalty will be waived if the competitor can show that he was unable to comply because of safety reasons, or because of light wind (unable to clear area within 10 minutes).
- 13.3.6 For competitors taking off too close to a goal or target, declaring a goal outside the limits specified in the TDS or otherwise abusing the set distance or altitude limits of a task, the penalty will be 2 task points per 0,1% infringement. Above 25% infringement the competitor will be scored in group B.
For Elbow, Angle and Land Run Tasks, the percent infringements will be the sum of the percent infringements of each 'leg', unless otherwise defined in the TDS.
A competitor penalized under this rule cannot achieve a score less than Group B as a result of the distance infringement penalty.

13.4 PENALTY POINTS

- 13.4.1 There are two kinds of point penalties: task points and competition points.
- 13.4.2 Task point penalties are subtracted from a competitor's task score, which cannot be reduced below zero. Competition point penalties are also subtracted from a competitor's task score and may result in a negative score, which will be set against his total score in the Event.

13.5 PROOF OF RULES VIOLATION (S1 An3 8.9)

THE PRODUCTION AND DEMONSTRATION OF EVIDENCE FOR ANY ALLEGED INFRINGEMENT BY A COMPETITOR ALWAYS RESTS ENTIRELY WITH THE EVENT OFFICIALS. RULES SHALL NOT BE WRITTEN IN ORDER TO OBLIGE THE COMPETITOR TO PROVE HIS COMPLIANCE WITH THE RULES OR HIS INNOCENCE IN CASE OF ALLEGED INFRINGEMENT.

CHAPTER 14 - SCORING**14.1 RESULT**

A competitor's result is the achieved outcome in a task including result penalties. Results will be expressed in meters, square kilometers, minutes with an accuracy of two decimal places. Degrees will be measured to an accuracy of one or two decimal places depending on the distance defined in the TDS.

14.2 SCORE

A competitor's score is the number of points achieved in a task when applying the appropriate formulas. Task or competition penalties may be applied according to the rules.

14.3 PUBLICATION OF SCORES (S1 5.9.4 part)

14.3.1 THE scores OF EACH TASK SHALL BE PUBLISHED WITH THE MINIMUM OF DELAY on the Official Notice Board.

14.3.2 Task score sheets shall include:

- a. EVENT NAME, TASK DATE and time, TASK SEQUENCE NUMBER, TASK NAME AND RULES reference.
- b. for each competitor his: rank, competition number and name, result, score and if applicable, penalties followed by the kind of penalty, a rule reference and a brief description.
- c. THE FIXED DATA USED IN THE SCORING FORMULAS (P, A, M, RM, W AND SM) and the checksum
- d. Publication date and time, version number and signature of the Director.
- e. IF MORE THAN ONE score SHEET VERSION IS PUBLISHED FOR A PARTICULAR TASK, THE CHANGES FROM THE PREVIOUS ISSUE SHALL BE MARKED AND THE DIFFERENT VERSIONS SHALL BE NUMBERED IN SEQUENCE.

14.3.3 Task score sheets will have the following status:

- | | |
|-------------|---|
| PROVISIONAL | Provisional scores are published for information only and have no validity for timing purposes. |
| OFFICIAL | Time periods for complaints/protests start from the publication of official scores. |
| FINAL | Official scores become final after all relevant time periods have expired. The jury may require a correction of the results and/or penalties prior to approving and signing the final scores. |

14.3.4 Total score sheets shall include:

- a. Event name
- b. for each competitor his: rank, competition number and name, total score and task scores
- c. task checksums

14.3.5 Total scores are for information only and will not carry a signature.

14.4 RANKING ORDER

- 14.4.1 Competitors will be ranked in order of performance according to the rules for each task, after adjustment for any result penalties. Competitors will be ranked in the following groups for each task:
- Group A Competitors whose results have been measured or assessed under the rule for lost markers.
 - Group B Competitors flying the task, but not achieving a result. They will be scored equally using Formula Three or share equally the remaining points available using Formula Two, whichever is the higher.
 - Group C Competitors not making a valid launch or disqualified in the event, **will not be ranked in the tasks of the relevant flight.**
- 14.4.2 After calculating the points score with the applicable formula, any penalty points will be subtracted to obtain the competitors final task score. The competitors final task scores will be ranked again before being published.

14.5 POINTS FORMULA

- 14.5.1 Each ranked competitor will then be awarded a number of points according to his performance. The formula to be used will depend on the competitor's place in the ranking order for the Task.
- 14.5.2 The best result will be awarded 1000 points before points penalties.
- 14.5.3 The superior half of the results will receive a score between 1000 and approximately 500 points, in proportion to their performance using Formula One.
- 14.5.4 The inferior half of the results will receive a score between approximately 500 points and 0 points according to their relative position in the ranking order using Formula Two.
- 14.5.5 FORMULA ONE: (superior half of performances).

$$1000 - [(1000 - SM)/(RM - W)] \times (R - W)$$
 FORMULA TWO: (inferior half of performances).

$$1000 \times (P + 1 - L)/P$$
 FORMULA THREE: (competitors in group B).

$$1000 \times [(P + 1 - A)/P] - 200$$
 P = number of competitors ranked **in the task.**
 M = P/2 (rounded to the next higher number) (Median Rank).
 R = competitor's result (meters, etc.) if in the superior half.
 RM = result achieved by the median ranking competitor.
 L = competitor's ranking position if in the inferior portion.
 W = the winning result of the task.
 A = number of competitors in group A.
 SM = rounded points score of the median ranking competitor, calculated under formula two.
- 14.5.6 If fewer than half of the ranked competitors achieve a result in the task, the following changes in definition will apply:
- RM = lowest ranking result in group A.
 - SM = rounded score of the lowest ranking competitor in group A, calculated under Formula Two.
 - M = lowest ranking competitor in group A.
- 14.5.7 In tasks where no competitor achieves a result, all competitors in group B will receive a score of 500 points before any penalty points.
- 14.5.8 Points scores will be rounded to the nearest whole number.

14.6 PRECISION

14.6.1 Results shall be established with the highest precision at hand.

14.6.2 The following standards will be used:

Result method	Precision	Printout example [m]
Track point/GPS	meters	1231.00

Any combination of result methods will revert to the lowest precision method used.

If positions can be determined relative to a common coordinate with a more accurate method, the precision of that method will be used.

Interpolation between track points may be used to establish the scoring position.

14.6.3 Results are considered tied when the outcome is the same after applying above mentioned principles. Competitors whose results are tied will share equally between them the points which they would have received had they not been so tied.

14.6.4 The altitude used in competition is specified in Section II.

14.8 TOTAL SCORES

14.8.1 The Total Score is the addition of the individual task scores.

14.8.2 Where two competitors have equal total scores in the Event, the competitor with the smaller difference between his best and worst scores will be ranked higher.

14.9 NATION RANKING

14.9.1 Nations will be ranked according to the average total score (before rounding) of all competitors of the relevant NAC.

14.9.2 The Nation Ranking requires a minimum of 4 NACs, each with at least 2 competitors scored in the event.

CHAPTER 15 - TASKS**15.1 PILOT DECLARED GOAL (PDG)**

15.1.1 Competitors will attempt to achieve a mark or valid track point close to a goal selected and declared by him.

15.1.2 Task data:

- a. method of declaration
- b. number of goals permitted
- c. goals available for declarations
- d. minimum and maximum distances of goal(s) from CLP or ILP as per TDS

15.1.3 The result is the distance from the mark or closest valid track point to the nearest valid declared goal. Smallest result is best.

15.2 JUDGE DECLARED GOAL (JDG)

15.2.1 Competitors will attempt to achieve a mark or valid track point close to a set goal.

15.2.2 Task data:

- a. position of set goal/target

15.2.3 The result is the distance from the mark or closest valid track point to the target, if displayed, or goal. Smallest result is best.

15.3 HESITATION WALTZ (HWZ)

15.3.1 Competitors will attempt to achieve a mark or valid track point close to one of several set goals.

15.3.2 Task data:

- a. position of various set goals/targets

15.3.3 The result is the distance from the mark or closest valid track point to the nearest target, if displayed, or goal. Smallest result is best.

15.4 FLY IN (FIN)

15.4.1 Competitors will find their own launch areas and attempt to achieve a mark or valid track point close to a set goal or target.

15.4.2 Task data:

- a. position of set goal/target

15.4.3 The result is the distance from the mark or closest valid track point to the target, if displayed, or goal. Smallest result is best.

15.4.4 Only one scoring attempt (marker drop) may be made.

In events without logger scoring, a contest landing shall be declared as such to the appointed observer at the earliest opportunity.

15.5 FLY ON (FON)

15.5.1 Competitors will attempt to achieve a mark or valid track point close to a goal selected and declared by them before take-off or during flight.

15.5.2 Task data:

- a. method of declaration,
- b. number of goals permitted
- c. goals available for declarations
- d. minimum and maximum distance between previous mark and declared goal

15.5.3 The result is the distance from the mark or closest valid track point to the nearest valid declared goal. Smallest result is best.

15.5.4 Declaration method for events with observers:

The competitor must declare his Fly On goal(s) either on the previous marker or on his assigned observer's report form. The declaration can take place at any time prior to dropping the previous marker.

The declaration must be written by the pilot. A verbal declaration will not be recorded. If the observer is flying in the basket, he should witness and record any declaration written on the marker before the marker is released.

Any valid declaration on the marker will invalidate all declarations on the observer report form.

If no valid goal is declared the competitor will not achieve a result.

If more goals are declared than are permitted the competitor will be scored to the least advantageous valid goal.

15.6 HARE AND HOUNDS (HNH)

15.6.1 Competitors will follow a hare balloon and attempt to achieve a mark or valid track point close to a target displayed by the hare no more than two meters upwind of the basket after landing.

15.6.2 Task data:

- a. description of the hare balloon
- b. intended flight duration of the hare balloon

15.6.3 The result is the distance from the mark or closest valid track point to the target. Smallest result is best.

15.6.4 Variation from intended flight duration of the hare shall not be ground for complaint.

15.6.5 The hare may deflate after landing and may be removed from the field.

15.6.6 The hare may display a banner hanging below his basket. No competitor shall display any banner hanging below the basket during this task.

15.7 WATERSHIP DOWN (WSD)

- 15.7.1 Competitors will fly to the launch point of a hare balloon, follow the hare and attempt to achieve a mark or valid track point close to a target displayed by the hare no more than two meters upwind of the basket after landing.
- 15.7.2 Task data:
- a. description of the hare balloon
 - b. location of the launch point of the hare balloon
 - c. set take-off time of the hare balloon
 - d. intended flight duration of the hare balloon
- 15.7.3 The result is the distance from the mark or closest valid track point to the target. Smallest result is best.
- 15.7.4 If the hare balloon does not take off within 5 minutes after the set time then this task is considered cancelled.
- 15.7.5 Variation from the flight duration of the hare shall not be ground for complaint.
- 15.7.6 The hare may deflate after landing and may be removed from the field.
- 15.7.7 The hare may display a banner hanging below his basket. No competitor shall display any banner hanging below the basket during this task.
-

15.8 GORDON BENNETT MEMORIAL (GBM)

- 15.8.1 Competitors will attempt to achieve a mark or valid track point within a scoring area(s) close to a set goal.
- 15.8.2 Task data:
- a. position of goal/target
 - b. description of scoring area(s)
- 15.8.3 The result is the distance from the mark or closest valid track point to the target, if displayed, or goal. Smallest result is best.
-

15.9 CALCULATED RATE OF APPROACH TASK (CRT)

- 15.9.1 Competitors will attempt to achieve a mark or valid track point within a valid scoring area close to a set goal. The scoring area(s) will have unique times of validity.
- 15.9.2 Task data:
- a. position of goal/target.
 - b. description of scoring area(s) and their validity times
- 15.9.3 The result is the distance from the mark or closest valid track point to the target, if displayed, or goal. Smallest result is best.
- 15.9.4 A competitor who does not achieve a mark or track point inside a scoring area during its time of validity, will not achieve a result.
-

15.10 RACE TO AN AREA (RTA)

- 15.10.1 Competitors will attempt to achieve a mark or valid track point, as specified in the task data, in the shortest time within a scoring area(s) or airspace(s).
- 15.10.2 Task data:
- a. arrangements of timing
 - b. description of scoring area(s)
- 15.10.3 The result is the elapsed time from the take off to the mark or first valid track point. Smallest result is best.
- 15.10.4 The timing ends at the moment the marker is released, falling or on the ground as seen by the officials, the electronic mark is dropped or at the moment of the first valid track point in the scoring area, if track points only was set. If Observers are used, they must ensure that they have stop-watches when observing in this task
-

15.11 ELBOW (ELB)

- 15.11.1 Competitors will attempt to achieve the greatest change of direction in flight.
- 15.11.2 Task data: (If no markers are used)
- a. description of track point "A"
 - b. description of track point "B"
 - c. description of track point "C"
- 15.11.3 Task data: (if observers and markers are used)
- a. description of point "A", "B" and "C".
 - b. minimum and maximum distances from "A" to "B".
 - c. minimum and maximum distances from "B" to "C".
- 15.11.4 The result is 180 degrees minus the angle ABC. Greatest result is best.
-

15.12 LAND RUN (LRN)

- 15.12.1 Competitors will attempt to achieve the greatest area of a triangle "A", "B" and "C"
- 15.12.2 Task data:
- a. location of point "A"
 - b. method of determining point "B"
 - c. method of determining point "C"
 - d. description of scoring area(s)
- 15.12.3 The result is the area of triangle ABC. Greatest result is best.
-

15.13 MINIMUM DISTANCE (MDT)

- 15.13.1 Competitors will attempt to achieve a mark or valid track point close to the reference point, after flying a minimum set time or distance.
- 15.13.2 Task data:
- a. arrangements of timing
 - b. minimum set time or distance
 - c. reference point
- 15.13.3 The result is the distance from the mark or closest valid track point to the reference point. Smallest result is best.
- 15.13.4 The scoring position is the mark or best track point after the minimum time or distance has elapsed. If Observers are used, the scoring position is the mark if the observer has seen the marker drop after the minimum set time. Otherwise the scoring position will be the landing position, provided that the balloon has been seen by an official to be still airborne after the minimum time.
-

15.14 SHORTEST FLIGHT (SFL)

- 15.14.1 Competitors will attempt to achieve a mark or valid track point close to the reference point within a set scoring area(s).
- 15.14.2 Task data:
- a. description of scoring area(s)
 - b. reference point
- 15.14.3 The result is the distance from the mark or best valid track point to the reference point. Smallest result is best.
-

15.15 MINIMUM DISTANCE DOUBLE DROP (MDD)

- 15.15.1 Competitors will attempt to achieve two marks or valid track points close together in different scoring areas.
- 15.15.2 Task data:
- a. description of scoring areas
- 15.15.3 The result is the distance between the marks or track points. Smallest result is best.
- 15.15.4 Competitors will not achieve a result, unless they have valid track points or marks in different scoring areas as per the TDS.
-

15.16 MAXIMUM DISTANCE TIME (XDT)

- 15.16.1 Competitors will attempt to achieve a mark or valid track point far away from the reference point, within a maximum set time.
- 15.16.2 Task data:
 - a. maximum set time
 - b. arrangements for timing
 - c. reference point
- 15.16.3 The result is the distance from the mark or furthest valid track point to the reference point. Greatest result is best.
- 15.16.4 (for events with observers)

If the observer does not see the marker release, falling or on the ground or the marker is not recovered in his hands within the maximum set time, the competitor will not achieve a result.



15.17 MAXIMUM DISTANCE (XDI)

- 15.17.1 Competitors will attempt to achieve a mark or valid track point far away from the reference point within a set scoring area(s).
- 15.17.2 Task data:
 - a. description of scoring area(s)
 - b. reference point
- 15.17.3 The result is the distance from the mark or valid track point to the reference point. Greatest result is best.



15.18 MAXIMUM DISTANCE DOUBLE DROP (XDD)

- 15.18.1 Competitors will attempt to achieve two marks or valid track points far apart in the scoring area(s).
- 15.18.2 Task data:
 - a. description of the scoring area(s)
- 15.18.3 The result is the distance between the marks or farthest valid track points. Greatest result is best.



15.19 ANGLE (ANG)

- 15.19.1 Competitors will attempt to achieve the greatest change of direction from a set direction. The change of direction is the angle between the set direction and line "A-B".
- 15.19.2 Task data:
 - a. description of point "A" and "B"
 - b. set direction
 - c. minimum and maximum distances from "A" to "B"
- 15.19.3 The result is the angle between the set direction and the line "A-B". Greatest result is best.



15.20 3D Shape Task (3DT) (for events with logger scoring)

15.20.1 Competitors will attempt to achieve the greatest distance within a set airspace.

15.20.2 Task data:

a. description of set airspace(s).

15.20.3 The result is the accumulated horizontal distance between valid track points in the set airspace(s). Greatest result is best

ANNEX 1 - ABBREVIATION LIST

Rule ref	Abbr.	Rule
5.10	ONB	OFFICIAL NOTICE BOARD (ONB)
6.11	FRF	FLIGHT REPORT FORM (FRF)
7.2	OFB	OUT OF BOUNDS (OFB)
7.3	PZ	PROHIBITED ZONES (PZs)
8.6	GB	GENERAL BRIEFING (GB)
9.1	CLA	COMMON LAUNCH AREA(S) (CLA)
	CLP	COMMON LAUNCH POINT(S) (CLP)
9.2.3	ILP	INDIVIDUAL LAUNCH POINT(S) (ILP)
12.9	GMD	GRAVITY MARKER DROP (GMD)
12.20	MMA	MARKER MEASURING AREA (MMA)
5.10	ONB	OFFICIAL NOTICE BOARD (ONB)
6.11	FRF	FLIGHT REPORT FORM (FRF)
7.2	OFB	OUT OF BOUNDS (OFB)
7.3	PZ	PROHIBITED ZONES (PZs)
15.1	PDG	PILOT DECLARED GOAL (PDG)
15.2	JDG	JUDGE DECLARED GOAL (JDG)
15.3	HWZ	HESITATION WALTZ (HWZ)
15.4	FIN	FLY IN (FIN)
15.5	FON	FLY ON (FON)
15.6	HNH	HARE AND HOUNDS (HNH)
15.7	WSD	WATERSHIP DOWN (WSD)
15.8	GBM	GORDON BENNETT MEMORIAL (GBM)
15.9	CRT	CALCULATED RATE OF APPROACH TASK (CRT)
15.10	RTA	RACE TO AN AREA (RTA)
15.11	ELB	ELBOW (ELB)
15.12	LRN	LAND RUN (LRN)
15.13	MDT	MINIMUM DISTANCE (MDT)
15.14	SFL	SHORTEST FLIGHT (SFL)
15.15	MDD	MINIMUM DISTANCE DOUBLE DROP (MDD)
15.16	XDT	MAXIMUM DISTANCE TIME (XDT)
15.17	XDI	MAXIMUM DISTANCE (XDI)
15.18	XDD	MAXIMUM DISTANCE DOUBLE DROP (XDD)
15.19	ANG	ANGLE (ANG)
15.20	3DT	3D SHAPE TASK (3DT)
	TDS	Task (Data) Sheet
	COH	Competition Operation Handbook