



Fédération Aéronautique Internationale

Rules and Regulations **AIR NAVIGATION RACE**

2010 Edition

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¹ FAI Statutes, Chapter 1, para. 1.6

² FAI Sporting Code, General Section, Chapter 3, para 3.1.3.

³ FAI Statutes, Chapter 1, para 1.8.1

⁴ FAI Statutes, Chapter 2, para 2.1.1; 2.4.2; 2.5.2 and 2.7.2

⁵ FAI Bylaws, Chapter 1, para 1.2.1

⁶ FAI Statutes, Chapter 2, para 2.4.2.2.5,

⁷ FAI Bylaws, Chapter 1, para 1.2.3

⁸ FAI Statutes, Chapter 5, para 5.1.1; 5.5 and 5.6

⁹ FAI Sporting Code, General Section, Chapter 3, para 3.1.7

¹⁰ FAI Sporting Code, General Section, Chapter 1, paras 1.2. and 1.4

¹¹ FAI Statutes, Chapter 5, para 5.6.3

¹² FAI Bylaws, Chapter 1, para 1.2.2

TABLE OF CONTENTS

FALC	Copyright	PAGE ii
-	ts to FAI International Sporting Events	
AIMS	FOR AIR NAVIGATION RACE FLYING COMPETITIONS	4
Α.		5
A.0	INTRODUCTION	5
A.0.0	USE OF GPS-LOGGERS AND GSM / GPS TRANSMITTER	5
A.1	AIR NAVIGATION RACE TEST	6
A.2	LANDING TEST	7
A.3	GENERAL RULES.	9
A.4	SCORING	9
A.5	DISQUALIFICATION	10
A.6	JUDGING	10
A.7	PROTESTS	10
A.8	TABLES OF PENALTIES	12
Appen	dix A1: Runway marking information	15
Appen	dix A2: Example of flight plan	16
В.	ORGANISATION RULES	17
B.1	GENERAL	17
B.2	VENUE	17
B.3	TRANSPORT	18
B.4	ACCOMMODATION	18
B.5	AIRCRAFT HIRE	19
B.6	TRAINING PRACTICE	19

TABLE OF CONTENTS

PAGE

B.7	BRIEFINGS	20
B.8	METEOROLOGY	20
B.9	AIR NAVIGATION RACE TEST	21
B.10	LANDINGS	22
B.11	INTERNATIONAL JUDGES AND OPERATIONAL OFFICIALS	23
B.12	JURY	23
B.13	RESULTS	24
B.14	PRIZES AND PRIZE-GIVING	24
Appendix	B1: Competition Budget	25
C.	LOCAL REGULATIONS	. 26
C 1.		26
C 2.	ORGANIZER	26
C 3.	PLACE	26
C 3. C 4.	PLACE DATES	
		26
C 4.	DATES	26 26
C 4. C 5.	DATES	26 26 26
C 4. C 5. C 6.	DATES ENTRIES ENTRY FEE	26 26 26 27
C 4. C 5. C 6. C 7.	DATES ENTRIES ENTRY FEE TEAM MEMBERS	26 26 26 27 27
C 4. C 5. C 6. C 7. C 8.	DATES ENTRIES ENTRY FEE TEAM MEMBERS AIRCRAFT AND INSURANCE	26 26 27 27 27
C 4. C 5. C 6. C 7. C 8. C 9.	DATES ENTRIES ENTRY FEE TEAM MEMBERS AIRCRAFT AND INSURANCE ARRIVALS	26 26 27 27 27 27 7
C 4. C 5. C 6. C 7. C 8. C 9. C 10.	DATES ENTRIES ENTRY FEE TEAM MEMBERS AIRCRAFT AND INSURANCE ARRIVALS LANGUAGE	26 26 27 27 27 7 7
C 4. C 5. C 6. C 7. C 8. C 9. C 10. C 11.	DATES ENTRIES ENTRY FEE TEAM MEMBERS AIRCRAFT AND INSURANCE ARRIVALS LANGUAGE	26 26 27 27 27 27 7 7 7
C 4. C 5. C 6. C 7. C 8. C 9. C 10. C 11. C 12.	DATES ENTRIES ENTRY FEE TEAM MEMBERS AIRCRAFT AND INSURANCE ARRIVALS LANGUAGE	26 26 27 27 27 7 7 7 7 7 7

TABLE OF CONTENTS

PAGE

D.	JUDGES AND JURY
D.1	GENERAL
D.2	INTERNATIONAL JURY
D.3	INTERNATIONAL JUDGES
D.4	CHAMPIONSHIP OFFICIALS
D.5	COST
Appendix	D1: APPLICATION FORM FOR APPOINTMENT AS INTERNATIONAL JUROR
Appendix	D2: APPLICATION FORM FOR APPOINTMENT AS INTERNATIONAL JUDGE
E.	BIDS, FINAL DECISION AND APPROVAL OF LOCAL RULES FOR WORLD OR CONTINENTAL CHAMPIONSHIPS

F. LO	OCAL RULES	4
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AIMS FOR AIR NAVIGATION RACE (ANR) FLYING COMPETITIONS

The competition is designed for Pilot and Navigator Team flying single piston engine aircraft. The sport of Air Navigation Race flying is aimed at improving fundamental flying skills to enable a Pilot/Navigator Team to navigate and handle an aircraft under basic visual flying conditions independent of the use of technical systems thus enhancing flying safety.

The competition consists of the following two main groups of tests:

- 1. Air Navigation Race
- 2. Landing

The overall aim for the sport of Air Navigation Race flying is achieved by:

- 1. Emphasizing the ability to follow a precise track whilst adhering closely to a time schedule.
- Emphasizing the ability to land an aircraft in short and narrow places with the simulation of trees or other obstacles on the approach, thereby fully demonstrating a pilot's ability to handle an aircraft both accurately and safely.
- 3. Basic:
 - > Fun for pilots / navigators and friends
 - > Real race atmosphere including GPS transmission on large screen.
 - > Qualifications 1/8 finals $\frac{1}{4}$ finals $\frac{1}{2}$ finals final.
 - > The best competing against the best!
 - > Media attention means sponsoring possibilities
 - > Simple regulations. Easy entrance for young pilots.
 - > No solo flights. Pilot plus navigator obligatory (for safety reasons). No airplane sharing.
 - Up to 160 participants possible !
 - Low costs allowing extra financial resources for local entertainments

A. COMPETITION RULES

A.0 INTRODUCTION

- A.0.1 The competition is for teams: pilot / navigator (<u>Competitor</u>) in single piston-engine class C aero planes, with a minimum 2 hours endurance and with a minimum empty (dry) weight of 175 kgs. Each competing pilot-in-command should have a valid pilot license for the competition aeroplane and both competitors a valid FAI Sporting License. Each competing aircraft must possess a Certificate of Airworthiness or Permit to Fly that does not exclude competition flight. Each aircraft must be operated according to its Airworthiness Certificate.
- **A.0.2** Each participating country is allowed to send a maximum of four (4) competitors Teams and in addition a team manager, engineers and observers. Each participating country is invited to send current qualified international judges for the landing test. The competition director may increase the total number of competitors to five (5) from each country in the initial invitation with the recommendation that the number of competitors do not exceed one houndred and sixty (160).
- A.0.3 The competition will consist of the following two groups of tests:
 - 1. NAVIGATION TEST
 - 2. LANDING TEST
- **A.0.4** Competition will consist of: Air Navigation Race Tests (Qualifikation, 1/8 final, ¼ final, ½ final, final), two landing tests.
- **A.0.5** Planned are 4 starting gates. The competition management will define the number of starting gates.

A.00 USE OF GPS-LOGGERS AND GSM / GPS TRANSMITTER

- A.00.1 The use of Flight Data Recording and GSM / GPS data transmitter Equipment is mandatory.
- A.00.2 Only Equipment approved by GAC may be used.
- A.00.3 Requirements for Flight Data Recording and GSM / GPS data transmitter Equipment are documented in the Sporting Code, Section 2, Annex 4
- **A.00.4** Competitors may share Flight Data Recording and GSM / GPS data transmitter Equipment only at the discretion of International Chief Judge.
- **A.00.5** Responsibility for the operation of the Flight Data Recording and GSM / GPS data transmitter Equipment rests with the Competitors.
- **A.00.6** Before each flight the pilot must make sure that his Flight Data Recording Equipment is cleared of all previously registered data.
- **A.00.7** The International Chief Judge or a Judge appointed by him will use the registered flight track of each Competitor, as depicted on paper-printout or screen-display, to make judgments on passing times and possible violations of the flight rules or given flight instructions.
- A.00.8 The Master-Clock has to be synchronized with GPS-Time taken from a GPS-unit.

A.1 AIR NAVIGATION RACE TEST

A.1.1 FLIGHT PLANNING

- **A.1.1.1** The competitor may enter the flight planning room at the assigned time to be ready in time to receive (1) an envelope, (2) two competition map, (3) a set of instructions, (4) departure and arrival charts, (5) Start point and finish point.
- A.1.1.2 The competitor is required to calculate his flight plan for the route of the Air Navigation Race test.
- A.1.1.3 Wind direction and speed over the competition airport will be given.
- **A.1.1.4** For flight planning and map preparation, the competitor is allowed 30 minutes. Map preparation will take place in the flight planning room. From the time when the competitor is scheduled to leave the flight planning room, he shall be allowed 15 minutes to go to his aircraft, prepare it for flight and taxi to the take-off position.
- A.1.1.5 No communication and no navigation device whatsoever is allowed (as mobile phones, transportable radios, PDA, GPS, laptops, scanners etc), except for Flight Data Recording and GSM / GPS data transmitter Equipment. Failure will result in immediate disqualification.

A.1.2 AIR NAVIGATION RACE TESTS

- **A.1.2.1** There will be Air Navigation Race tests. The object of each test is to assess the competitor's skill in precise navigation and timing. The test includes maintaining correct tracks, altitudes and ground speeds.
- A.1.2.1.1 Times will be checked on passing Take off line overhead start- and finish point.
- **A.1.2.1.2** The aircraft must be established on the correct track of the first leg when crossing the start point. Circling after passing the start point is not allowed.
- A.1.2.1.3 The start and finish points must be well defined features, both on the map and on the ground.
- **A.1.2.1.4** During the navigation tests the recommended flying altitude is 1000 feet AGL. The organizer has the right to declare a different altitude for safety reasons. The minimum altitude to be flown is 500 feet AGL or the state limits, whichever is higher. If the state limit is higher than 500 feet AGL, it must be published in the local regulations.
- **A.1.2.2** The distance for each Air Navigation Race tests will not be less than 15 Nm. and not more than 25 Nm. The difference in the length of the 4 race tracks will not be more than +/- 2%.
- A.1.2.3 The competition management will define the race speed. Normally airplanes must be able to fly 80 kts GS irrespective of wind conditions.
- **A.1.2.4** The departure and arrival charts will give the position of the start and finish points. The charts will be to an approximate scale of 1:50,000 and will be defined in the local regulations.
- A.1.2.5 Departure and return flight via prescribed route is mandatory.
- A.1.2.6 All corridors must be passed by the Competitor inside. The competition management will define the corridor width.
- **A.1.2.7** There is a NB line (no back track line) 2 NM (+1/-0.5 NM) before the finishing line. After crossing the NB line, no change of course exceeding 90° max be executed before crossing the finishing line.

- **A.1.2.8** Penalties for a turn of more than 90° on the leg a fter passing the NB line are only given, when the FR-recording shows this deviation for more than 5 seconds in sequence.
- A.1.2.9 At SP / FP the gate has an extended "gate line", being a distance of 0.3 NM right and left of the SP / FP.

- crossing opposite to the direction of flight this "extended SP-gate line" any time gives penalties for circling.

- Timing at the SP takes place when the aircraft is for the first time passing the 0,3 NM right or left gate of the SP in the direction of flight.

A.1.2.10 Only maps with good topographic information to a scale of 1:100`000 - 1:200`000 - 1:250`000 - 1:300`000 will be used for competition purposes.

For emergency uses only, an additional unmarked ICAO 1:500,000 chart is permitted in the aircraft. No other maps or charts except arrival and departure charts, may be carried during the competition.

A.1.2.11 In the airplane all electronic equipment, GPS and autopilots are to be sealed and shall not be used during the competition except in case of emergency. Any broken seals could result in disqualification of the competitor. It is the crew's responsibility to arrange the sealing of said devices and will be inspected by the competition organizers. Sealing Material will be given by the competition management.

A.2 LANDING TEST

A.2.1 The object of this test is to assess the competitors skill in landings of different types. Circuits may be left or right hand. Circuits for landing 1 must be above 500 feet QFE. Circuits for landing 2 not less than 1,000 feet or more than 1,200 feet QFE. These will be defined by the competition management who has the right to vary the circuit direction. The tests include the landings described below:

A.2.1.1 LANDING 1: OBSTACLE LANDING (OR NORMAL LANDING)

The competitor will make a landing after passing a marked obstacle 2 meters high, placed 50 meters before the touchdown line. (Normal landing without obstacle. The competition management will define the landing type). Use of power, spoilers, flaps or sideslip is at the discretion of the pilot. Approaches in connection with the obstacle landing, where the wheels are lower than the obstacle before passing over it, are not permitted (creeping).

A.2.1.2 LANDING 2. FORCED LANDING

Abeam the zero line, the engine is throttled back to idle power. Power shall not be used thereafter. Flaps, spoilers and sideslip may be used at the discretion of the pilot.

- A.2.2 Landings will be run as a separate event to enable the participation of all international judges in judging the event. Depending on the situation, the competition director decides to execute the landing competition as follows:
 - Each landing followed by a full stop, or
 - Two landings with a touch and go in between.

The sequence of landings will be briefed.

A.2.3 All landings are to be made as close as possible to the zero area, within a strip 12 meters wide and 72 meters long. See Appendix A1. The strip will be marked and aircraft must keep within the strip.

A.2.4 Touchdown must be on both main wheels with a maximum distance of five (5) meters between main wheel 1 and main wheel 2, except when the international chief judge has decided that a crosswind condition exists. If the touchdown is in or after the zero area and the distance between the touchdown of the main wheels is 5 meters or less, the touchdown point for measurement is the touchdown of the first main wheel.

If the distance is more than 5 meters, the touchdown point for measurement is the touchdown of the second main wheel.

Nose wheels must be off the ground. Tail wheel aero planes must be landed in a configuration where the tail is lower than the horizontal attitude.

- A.2.5 Touchdown on or after the zero area is measured when the aircraft is rolling on the ground after all bounces. In case of bounces before or after the line, the touchdown counted is that one which gives the highest penalty.
- **A.2.6** An aircraft is considered bouncing when both main wheels (or a sole main wheel) leave the ground after any touchdown, to a height of more than the diameter of the main wheel, or for a distance more than 15 m. A jump into a 5 meter box must be calculated this way: Box meters minus 4 meters, minus the measured lift-off point before.
- A.2.7 In the case of any part of the aircraft touching the ground before the zero area, the distance measured will be the distance from the touchdown point to the zero line. In the case of a tail wheel landing which is judged to be three-pointer landing (the tail wheel may roll on the ground for a maximum distance of five (5) meters before the main wheels), the touchdown point of the main wheels shall be measured.
- **A.2.8** A crosswind condition shall exist, when the crosswind component of the wind, that is the component at right angles to the runway in use, is 8 kts or more. Wind direction and speed shall be measured close to the zero-line by suitable anemometer and recorded for each landing. The maximum allowed tailwind component is 5 kts.

The international chief judge will decide when a crosswind situation exists, and shall direct that a conspicuous flag signal is placed 30 meters before the zero line to advise competitors.

Touchdown on the upwind main wheel only is allowed when a crosswind exists.

- **A.2.9** Power has to be completely retarded at touch down and only sufficient power is permitted after the aircraft has come to a complete stop, to continue the roll to the end of the landing strip. After leaving the landing strip, the runway shall be cleared.
- **A.2.10** Abnormal landings in all types of landing are defined thus:
 - a) Nose wheel not off the ground,
 - b) A tail wheel aircraft not in a configuration with the tail below the horizontal,
 - c) One main wheel off the ground at the initial touchdown, without authorized crosswind conditions, to a height of more than the diameter of the main wheel,
 - d) Touchdown on downwind main wheel only and with upwind wheel off the ground in crosswind conditions, to a height of more than the diameter of the main wheel,
 - e) Any part of the aircraft other than the wheels touching the ground,
 - f) Retraction of flaps inside landing strip before touchdown,
 - g) Landing with locked wheels,
 - h) One or both main wheels leaves the ground, while nose wheel remains on it.
- **A.2.11** In the event of a competing aircraft not touching the ground in any of the landing tests or landing outside the strip, he will be penalized.
- **A.2.12** All departures, approaches and landings must be considered as being safe. If the international chief judge, competition director or his appointed representative is of the opinion that an departure, approach or landing is deemed as dangerous, flying will be stopped until the jury has made a decision (See A.5.1).

A.3 GENERAL RULES

- **A.3.1** All aircraft main wheel covers (spats) should be removed prior to the competition landings. The competition management will paint every wheel on each side for easy video identification. All landings are to be video recorded to assist the international chief judge and jury only. Any modification temporary or permanent to the wheels, undercarriage, oleos or shock absorbers not approved by the manufacturer and certification authority is not permitted and may result in disqualification.
- **A.3.2** In the event of a failure to start, the competitor must not leave the aircraft and he must not communicate with his team. He will make a radio call to competition management to explain the situation and then follow given instructions.
- **A.3.3** In the event of a reduction in flying time, the competition director will discuss alternative tasks with the jury, international chief judge and the team managers before issuing directives on how the championship will be concluded. A landing test include at least one landing.
- A.3.4 Smoking is prohibited at all briefings and in the flight planning room.
- **A.3.5** No competitor is permitted to take any alcohol less than 10 hours prior to the start of daily competition.
- A.3.6 The competition language will be English.

A.4 SCORING

- A.4.1 The competition is an individual competitor (Pilot/Navigator) competition.
- A.4.2 There will be a champion in the categories
 - Air Navigation Race
 - Landing
 - > TOP Air Navigation Race (Air Navigation Race and Landing)

A.4.3 Air Navigation Race trophy:

- > The competitor in the final race with the lowest number of penalties.
- A.4.3.1 In the case of two or more competitors having the same number of penalties:
 - a) The competitor in the final race with the lowest number of penalties for flying (timing) or
 - b) The competitor in the final race with the lowest number of penalties for corridor flying

A.4.4 Landing trophy:

- > The competitor in the landing with the lowest number of penalties
- A.4.4.1 In the case of two or more competitors having the same number of penalties:
 - a) Forced landing or
 - b) Obstacle landing (Normal landing)
- A.4.5 TOP Air Navigation Race trophy:
 - The final results will consist of the lowest number of penalties in one Air Navigation Race and Landing being added together.
- **A.4.5.1** In the case of two or more competitors having the same number of penalties, the competitor with the lowest penalties in each group in the following order will be adjudged the winner:
 - a) The competitor with the lowest number of penalties for Air Navigation Race, or,
 - b) The competitor with the lowest number of penalties for landings.

A.4.6 If there is a continuing tie multiple winners will be declared.

A.5 DISQUALIFICATION

- **A.5.1** Any misconduct or bad behavior on the ground or in the air including unsporting behavior or protests against other competitors could result in the international jury disqualifying the competitor concerned.
- **A.5.2** If a competitor communicates with any unauthorized person from the time of entering the flight planning room until the debriefing after his Air Navigation Race test or enters any restricted area on the competition site without permission, he runs the risk of disqualification both for himself and the whole of his national team.
- **A.5.3** Any competitor, found using non permitted equipment in the flight planning room or aircraft, or found to have tampered with any sealed navigation or radio equipment or manipulating the flight recording system will be disqualified and may risk disqualification of their team.
- A.5.4 Any unauthorized alterations to aircraft landing gear during the landing tests as indicated in A.3.1 may result in disqualification.

A.6 JUDGING

A.6.1 An international chief judge shall be appointed by FAI-CIAG prior to the championship. Each country will be invited to send current international judges. International judges will be positioned by the international chief judge. International judges will also participate in the landing competition, as directed by the international chief judge.

A.7 **PROTESTS**

- **A.7.1** The chairman of the jury and the other jury members will be appointed by FAI-CIAG in accordance with the sporting code, general section. Their duties include observing and ensuring that the championship is being run in accordance with the FAI sporting code and championship rules. They also rule on all formal protests. In the event of a replacement of any member, the new member will be appointed by the president of CIAG after consultation with the rules committee.
- **A.7.2** The Competition Director will publish individual results as quickly as possible by the best available method. The results will be marked "preliminary and subject to protest".
- **A.7.3** Within 30 minutes of the release of the individual results the Competitor and/or Team Manager may present a written request ("complaints") to the International Chief Judge for clarification. If not satisfied with the clarification, a "protest" may be filed with the Competition Director within 30 minutes after the clarification was given, accompanied by the relevant protest fee.

If after Complaints and a correction a new personal result-sheet is delivered to the pilot concerned, this one is not subject for further Complaints or Protest.

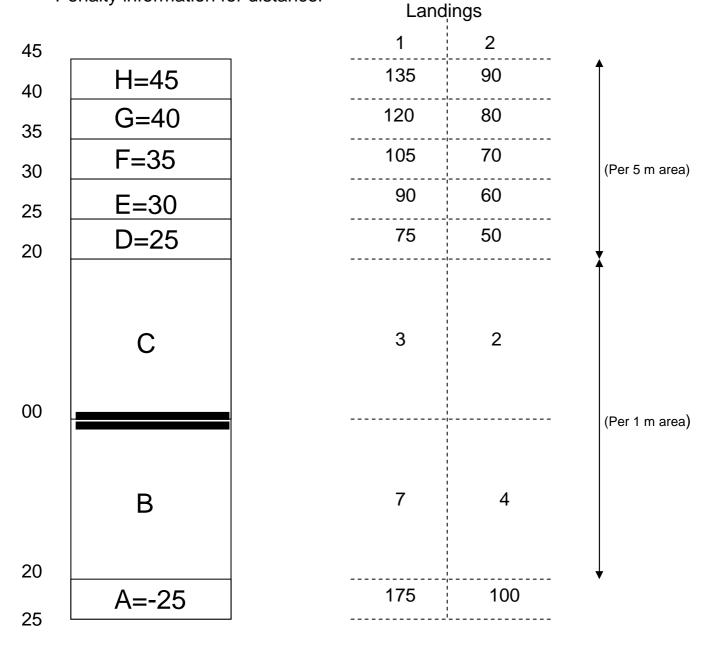
- **A.7.4** The video recordings of landing can be used by Chief Judge for checking the results of landings before final judging of the landings. After final judging, the video recordings of landing are to be used only by the jury when dealing with protests.
- **A.7.5** If the correction of the International Chief Judge at Complaints or the ruling of the jury affects another or other competitors, the appropriate alterations will be made to the results.
- **A.7.6** When the prescribed fee has been paid to the competition management and the protest filed in writing, the protest becomes official and is referred to the international jury for a decision. The team manager and competitor have the right to address the jury if desired.

- A.7.7 Protests against other competitors are forbidden.
- A.7.8 The jury must be available at all time during the championship to deal with protests.
- **A.7.9** The prescribed fee in connection with any protest submitted to the jury will be EURO 200.— and shall accompany the written protest. The fee will be returned in the case of a successful protest only.

A.8	TABLE OF PENALTIES	Penalties	Maximum
A.8.1	AIR NAVIGATION RACE		Penalties
A.8.1.1	Preparation of flight plan		
	- Failure to leave flight planning room after 30 minutes	100	100
A.8.1.2	Take-off time (aircraft passing starting gate)		
	- Limit + 60 seconds - Take-off "gate" before or after time slot	0 200	200
A.8.1.3	Passing each timed point		
	- Limit + or - 1 seconds - Additional error per full second - Outside gate, each time	0 3 200	200
A.8.1.4	Flying below the minimum altitude (each time)	500	500
A.8.1.5	Other deviations from track (each time)		
	 Circling or backtracking being a turn of more than 90 degrees either way (each time) not following described arrival/departure routes and/or procedure (each time) 	200 200	400 400
A.8.1.6	Entering restricted areas will result in the following penalties each	time:	
	- 0 – 5 sec. - Additional error per full second (each time)	0 3	300

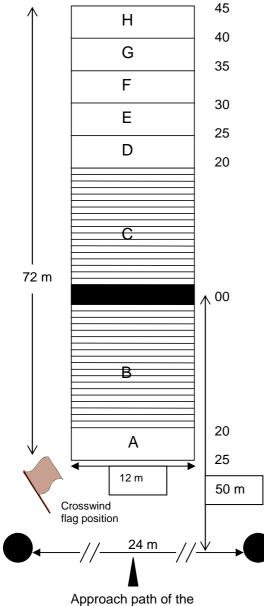
A.8.2 LANDINGS

		1	2
		Obstacle	Forced
1	Maximum penalties per landing	400	200
2	Outside the strip or no landing	200	150
3	Abnormal landing (A.3.10 a to h))	150	150
4	Rolling out of the landing strip to the side	200	150
5	Power on the ground in the strip	50	50
6	Non permitted use of power (in the air)	-	200
7	Touching, destroying the obstacle or "creeping" over obstacle	400	-



Penalty information for distance:

APPENDIX A1



aircraft

>12 m

2 m

Markers.

On both sides of the runway, to assist judges and video crew, there shall be runway markers at each 5-meter area till +20 area opposite the correct meter area.

Markers shall be placed per 5-metre area beyond the -20 and +20 meters area in the middle of the correct area

The landing strip.

Each meter must be marked by paint or chalk (on grass) from –20 to +20 meter area, and outside that zone every 5 meters area (see picture). The zero area must be clearly marked.

Approach markers.

Two markers will be clearly positioned 24 meters apart at the 50 meters in front of the middle of the zero area. Aircraft have to approach in between these markers on their final approach path. Approaching from outside may be considered as dangerous

Zero area specification

There is an imaginary zero line. The zero area is per full meter on each side of this line. Outside the zero area scoring will be done per one meter area till the -20 and +20 meter area and beyond this per 5 meters till the limit of the landing strip

Obstacle specification

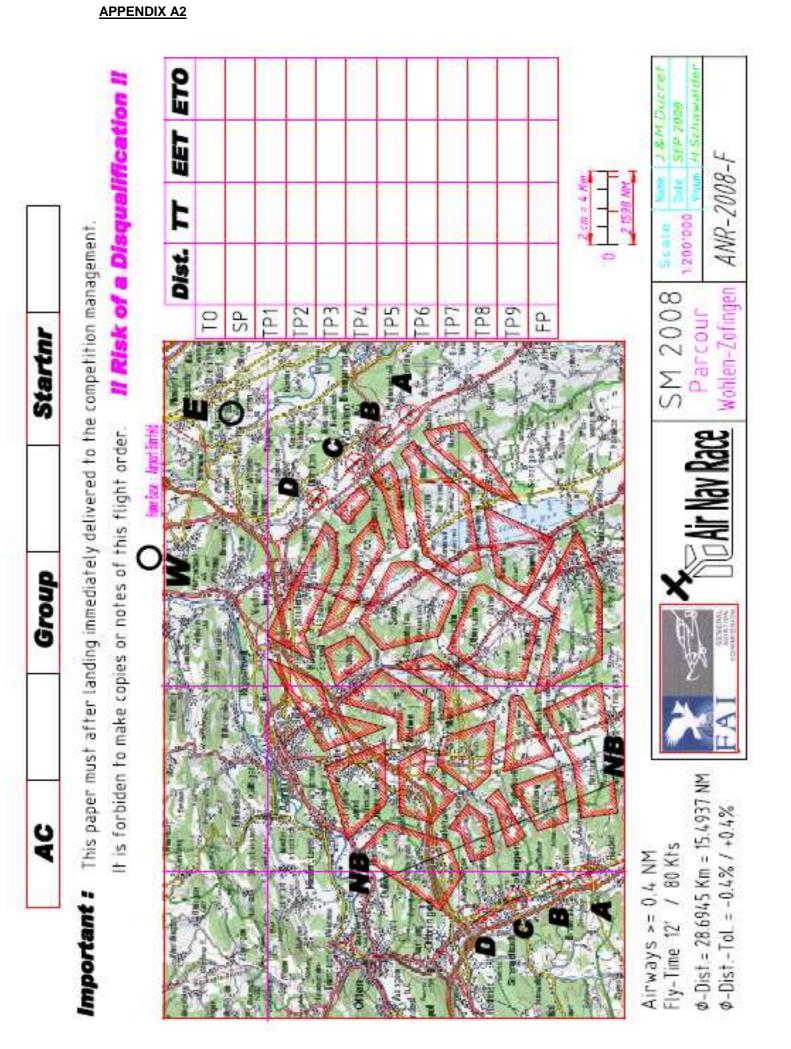
Position 50 meters in front of the middle of zero area.

Thin cotton or nylon line with cloth flags in color Do not tie the line to poles!

It should slip off easily.

The height (2 meters) should be checked at the runway center line.

 \rightarrow



B. ORGANISATION RULES

B.1 GENERAL

- **B.1.1** Before any National Aero Club offers to host a continental or world championship, that National Aero Club must be able to satisfy the FAI on the following points:
- **B.1.1.1** That sufficient experience in the discipline exists in the host country to ensure a high standard.
- **B.1.1.2** That there should be at least 3 officials experienced in the discipline and able to provide their capabilities of organizing the championship.
- **B.1.2** The host Aero Club must be able to provide an airfield with limited traffic. An airfield with bilingual controlling during practice or any championship must be avoided.
- **B.1.3** In selecting a venue, the host Aero Club must be able to provide reasonable accommodation close to the airfield. (see also B 4.1)
- **B.1.4** The host Aero Club should develop a close working relationship at an early stage with the President of the Jury and the International Chief Judge.
- B.1.5 The host Aero Club must follow the rules and regulations.If any doubts exist as to interpretation the advice of the International Chief Judge and/or the President of the Jury should be sought.
- **B 1.6** The host country must not run other competitions at the same time, on the same airfield or competition area.
- **B.1.7** Practice for display, demonstrations, etc. must not interfere with competition practice schedule, which must have priority.
- **B.1.8** Any display, show or demonstration must not interfere with the competition.
- **B 1.9** The host National Aero Club will take adequate insurance coverage for all competitors as required by the national law. In any case all international personnel (i.e. Jury, Judges, support personnel) must be insured by the Organizer against third party legal liability risk.
- **B 1.10** The host National Aero Club will provide figures of competition expenses in accordance with Appendix B1 to GAC together with the Local Rules.
- **B 1.11** To ensure that the organizers of world and continental flight championships abide by the appropriate rules and regulations and fulfils the commitments made by the organizers, an amount in EUROS equal to the entry fee for five (5) crews will be given to the President of the Jury prior to the start of competition, to be held by him until the Jury certifies at the close of the competition that the event has been conducted correctly, the complete results prepared for transmission to FAI headquarters, and the Sanction Fee has been transferred to FAI. At this time the amount withheld shall be returned to the organizers. Should the Jury determine for any reason that the competition was not properly conducted, the total amount will be forwarded immediately by the Jury President to FAI headquarters, to be held there until the matter can be reviewed at the next plenary meeting of GAC.

B.2 VENUE

- **B.2.1** It is necessary when considering the location of the championship to give careful consideration to the type of terrain readily available around possible airfields. It is ideal to arrange for flat or mixed terrain of flat and hill ground and to select an area that is not too easy to navigate over.
- **B.2.2** Consideration should be given to the general air traffic flow within the competition area, and to control zones, prohibited areas and danger areas, which exist and would hinder the settling of a competition navigation course.
- **B.2.3** Reference should be made to the facilities offered on each aerodrome, including those of air traffic control, fire fighting and ambulance service, availability of fuel, hangar space, etc.
- **B.2.4** It is of advantage if the airfield enjoys either a restaurant or adequate clubhouse facilities for competitors and spectators.
- **B.2.5** The airfield should not be located more than 30 minutes travel time from the given recommendations for the participants.
- **B.2.6** The airfield should be available for formal familiarization and practice in the week prior to the championship, during which time the airfield will be run under strict local rules to which all participants will be expected to adhere. There must be no charge for practice landings.
- **B.2.7** The airfield should be provided with 2 concrete or hard surface runways wherever possible. An airfield where the runways do not have a uniform surface at least 15 meters wide is not acceptable.
- **B.2.8** When selecting the time frame for the championship the weather history within the area of the competition should be considered.
- **B.2.9** Special attention should be given to the placing and size of the flight planning/briefing room. For Air Navigation Race Competitions the room should have ample space to hold sufficient tables with adequate separation between them.
- **B.2.10** Telephone and telefax facilities should be available.
- **B.2.11** Communication and information about the competition will take place via internet (email/website). All reports will be displayed on the info-board at the airfield.

B.3 TRANSPORT

- **B 3.1** Participants are responsible for their own transport.
- **B 3.2** The International Chief Judge and the Jury must each be provided with their own independent transportation.

B.4 ACCOMMODATION

- **B 4.1** Participants organise their own accommodation. The organizers will be happy to give recommendations on request.
- **B 4.2** In order to find the most suitable accommodation to an acceptable price the Organizer should try to get at an early stage the approximate numbers of people planning to attend the Competition, i.e.:
 - Number of competitors, (including accompanying family),
 - International support personnel (team chief, engineers, etc.)
 - Jury, International Judges
 - National Judges and National support personnel, etc.

B 4.3 There will only be basic refreshments/food on the airfield (to be paid for)

B.5 AIRCRAFT HIRE

- **B.5.1** Participants organise their own aircraft. The organizers will be happy to give recommendations on request. (Exception see B.6.10)
- **B.5.2** Pilots planning to avail themselves of this service should initiate a request at least six months before the event, specifying type, length of hire, hours to be flown, etc. They should also furnish details of their own licenses and experience.
- **B.5.3** Aircraft for hire should have the following minimum standard guaranteed:
 - a) Air speed indicator
 - b) Altimeter
 - c) Magnetic compass and directional gyro
 - d) Turn and bank indicator and/or artificial horizon
 - e) VHF/COM equipment with all appropriate frequencies
 - f) Third party legal liability insurance to the level required in the host country.

B.6 TRAINING PRACTICE

- **B.6.1** Practice and familiarization of the competition area should be available in the week prior to the championship. There should be no additional charges for landings.
- **B.6.2** Navigation practice can take place without affecting the normal airfield routine.
- **B.6.3** Landing practice for each competitor may be limited to not more than 2 landings after a navigation practice. Landing practice may be limited in the week prior to the competition week.
- **B.6.4** During practice, it is essential that airfield routine regulations be observed. It is also necessary for other non-competitive traffic to use the airfield and therefore strict R/T control will be necessary.
- **B.6.5** Daily flying should be restricted to 08.00 18.00.
- **B.6.6** Training practice must not be interrupted for display or show practice.
- **B.6.7** An example of the flight planning form to be used in the competition is attached as Appendix A2.
- **B.6.8** Organizing National Aero Club must provide a sample of the competition map one month before the competition.
- **B.6.9** Organizing National Aero Club must prepare 1 Air Navigation Race with 2 training routes of the same level as Competition Routes and free of charge.
- **B.6.10** Under no circumstances shall the same aircraft be used in the competition by more than one competing team, unless the Competition Management can provide at least 16 aircraft which all the pilots may fly.

B.7 BRIEFINGS

- **B.7.1** Full briefings must be attended by all concerned.
- **B.7.2** Opening briefing must be attended by jury, judges, operational officials, team managers and teams (pilot/navigator); the object being to explain the running of the competition, the program to be adhered to including the social program, channels of communication, the basis of judging, define operating procedures.

Specific issues concerning the use of Flight Data Recording and GSM / GPS data transmitter Equipment have to be covered during the Opening Briefing.

- **B.7.3** Competitors' briefing with operating procedures by internet.
- **B.7.4** Day's program by internet.
- **B.7.5** Met briefing by internet.
- **B.7.6** Landing briefing must be attended by jury, judges, team managers and all teams; he object being to define procedures, circuit discipline, signals, etc.

B.8 METEOROLOGY

- **B.8.1** A competent meteorologist shall be available for the weather briefings via internet.
- **B.8.2** The meteorologist should be familiar with the local weather patterns and familiar with VFR flying.
- **B.8.3** Forecasts must be published prior to the take-off for each navigation group.
- **B.8.4** General forecasts will be given by internet before the first Air Navigation Race flight planning begins, and will be updated.
- **B.8.5** The weather minima for the Air Navigation Race tests will not be less than 3 kilometers visibility with the cloud base 1000' above ground level of the highest point of the course. In the event that any part of the Air Navigation Race course is within controlled airspace, consent must be given for the minimum to apply.
- **B.8.6** Throughout the Air Navigation Race test there should be an aircraft available to check deterioration of weather. Either a member of the jury or the international chief judge will accompany the aircraft during any check flight.
- **B.8.7** The minimum cloud base for power landings will be 500' AGL and power off landings 1000' AGL. In both cases the visibility will be at least 1.5 kilometers. If the minima are below those legally required in the host country, then the host country's rules must be applied.
- **B.8.8** If the wind speed near the ground is more than 25 kts, gusts included, flying will be stopped. If the crosswind component, gusts included, exceeds the published maximum demonstrated crosswind or a stated limit, flying will be stopped on the runway in use. The maximum crosswind component for the competition will be 12 kts.

B.9 AIR NAVIGATION RACE TEST

- **B.9.0** The organizer has to prepare a minimum of 3 complete Air Navigation Race.
- **B.9.1** A single map will be used for the navigation test. Details of the map should include all roads and railways in normal use, large lakes, rivers and creeks, color coded and/or elevation contours, towns and villages, etc. It should also contain certain spot heights and location of high obstacles.
- **B.9.2** In selecting a course for the Air Navigation Race event, the competition director should give thought to the type of terrain available to him to ensure that a mixture is within the set route.
- **B.9.3** The route planner must consider the following points:
 - Positions of SP and FP must be determined on the ground, using two independent GPS, working on WGS 84.
 - The Organizer must provide the number of Computers and Printers deemed necessary by the International Chief Judge.
- **B.9.4** The start and finish points must be clearly marked or defined. Departure and arrival charts shall be given to competitors where the start and finish points are defined.
- **B.9.5** A master clock shall be placed outside the flight planning room and will be synchronized with GPS-Time taken from a GPS-unit.
- B.9.6 Competitor numbers to be drawn by the pilots.Groups should consist of pilots of the same nationality to promote inter group competitivness.
- **B.9.7** The competition management will define the radio frequency to be selected for the Air Navigation Race event. Competitors may be issued other frequencies to be used in the case of emergency.

Competitors should be advised at briefing that use of other frequencies will result in disqualification. They should also be advised of the possibility that the flight will be scanned by radar hence it will be essential for a listening watch to be kept on the prescribed frequency at all times.

- **B.9.8** After flight planning, the competitor will be required to depart from the flight planning room to his aircraft. Under no circumstances will he be permitted to communicate with any other person apart from the competition management and it must be made clear to him that his start-up time, taxi and readiness for take-off at the prescribed time is entirely his responsibility. In the event of a delayed start to an Air Navigation Race flight by more than 1 minute for the group, by reason of mechanical or ATC failure, the competitors will be rescheduled to fly later.
- **B.9.9** On return from the competition, the competitor will be taken to a debriefing area. The competitor will be debriefed by members of the competition management who will examine his data logger.
- **B.9.10** If a competitor, by radio, reports deteriorating weather to the minima allowed, this should be checked immediately by a weather aircraft (see B.8.6). A competitor asking for assistance automatically terminates his navigation flight at the point. The competition management may not recall any competitor from his navigation flight.
- **B.9.11** The competition director will not, without the express consent of the international chief judge and the international jury, permit any person other than observation crews, the international chief judge or the international jury, to have knowledge of or visit any part of the Air Navigation Race course until the Air Navigation Race test is concluded.

B.10 LANDINGS

B.10.1 In locating the position of the landing strip on the runway, consideration should be given to the position of the Judges, video camera operators and spectators. Neither judges nor video camera operators should be looking into the sun. In the latter case, spectators, conditions permitting, should not be allowed nearer than 30 meters to the landing strip.

Wherever possible, this should be fenced off for safety reasons. Team managers only will be allowed to observe the landings from a position 15 meters opposite the touchdown line if safety conditions and aerodrome regulations so permit.

- **B.10.2** Aircraft ground movements and traffic patterns must be carefully planned and briefed to the pilots. Useful aids are maps or sketches with detailed information.
- **B.10.3** Suitable marshals and ground controllers should be located in prominent positions, the ground controller being in direct communication with the competition director.
- **B.10.4** The competition director determines the starting order for the landing competition. His decision is based on reasons such as flight safety.
- **B.10.5** Circumstances and capability permitting, the competition director is allowed to change this order for promotional purposes.
- **B.10.6** With good management, it is possible to have 3 4 competitive aircraft active in the circuit at any one time.
- **B.10.7** To provide a steady flow it will be necessary to judge approximately 30 landings per hour. A 10minute break session for the judges in each hour and a 15-minute break session between each type of landing are advised.
- **B.10.8** Consideration should be given to a system of lights or ground signals on the final stages of approach to signify by either red or green lights that the competitor is cleared to land or he must go around again.
- **B.10.9** It is important that the zero area is clearly marked. The jury will check the visibility of all markers prior to the landing competition.
- B.10.10 There should be clear distance markers along the runway.
 Landing officials should be placed about 5 meters outside the distance markers, and be prepared to run along these markers to define the touchdown point. One landing official should be permanently stationed opposite the zero line.
- **B.10.11** Only the international chief judge will be responsible for communicating the results of the competitor's landing to the Secretary for entering into the competitor's record sheet in English, being the competition language.
- **B.10.12** Video recording of landings shall be arranged as they are vital to enable the Jury to come to a decision on a protest based on factual evidence. The video crew should comprise at least two hand-held video cameras located about 10 meters from the runway and positioned about 20 meters before and after the "0" line. Video crews must be trained before the competition to provide the best camera location and viewing angle. A continuous following of the wheels, before, during and after the touchdown, is essential and runway markings must be visible on the videotape to enable final judgment on touchdown point and landing techniques.
- **B.10.13** All wheels, on all participating aircraft, shall be painted with white tire marks on both sides of all wheels. Spats will be removed from all main wheels prior to the beginning of the competition.

- **B.10.14** The International Chief Judge will be provided with an equipment, which has to be placed nearby the zero line with a minimum height of 2 meters above ground. The wind direction and wind speed have to be recorded in the touchdown moment of each aircraft. This will provide factual evidence in the case of one-wheel landings, which are allowed only when the international chief judge has declared a crosswind.
- **B.10.15** The video playback must be displayed on a TV set with a minimum 21" screen. The equipment must include the facility both of "freezing" and advancing frame-by-frame without picture interference.
- **B.10.16** The host nation will ensure that a reserved area is available, opposite the touchdown line, for team managers only. It will be placed not less than 15 meters from the edge of the runway (see B.10.1).
- **B.10.17** An electronic recording system previously approved by C.I.A.G. must be used. It must be in conjunction with visual judging. In the event of failure only, visual judging will be used for that group.

B.11 INTERNATIONAL JUDGES AND OPERATIONAL OFFICIALS

- **B.11.1** The differing rules must be made clear at the initial briefing.
- **B.11.2** The landing competition will be run under the control of the international chief judge supported by the official responsible for landings. Each participating country will be invited to provide international judges to officiate under the chairmanship of the International Chief Judge.
- **B.11.3** The international chief judge will be responsible for the placing of the individual judges and for the recording of the results of each competitor. The competition director will not participate in judging the landings in any way whatsoever.

Judging comments must in competition language (English).

- **B.11.4** In the event of the judges not being able to reach a definitive decision regarding any landing, then the international chief judge makes the final decision. In the case of an abnormal landing the international chief judge must consult at least two other international judges.
- **B.11.5** It should be made perfectly clear that although the jury will be present in the same locality and making their own notes these are only usable as supporting evidence, should they be required to decide a protest. At no time will they seek to influence any decision made by the judges. However the president of the jury may, if the opportunity occurs, offer advice to the international chief judge if requested.
- **B.11.6** Para B.11.5 above does not prevent the jury disqualifying any competitor guilty of dangerous flying.

B.12 JURY

- **B.12.1** The international jury is commissioned by FAI to observe that the event is properly organized and run. The jury should comprise qualified experts in the sport.
- **B.12.2** The President of the jury must be privy to all matters of detail of the Championships and be kept fully informed.
- **B.12.3** The jury has access at all times to the competition director and may advice upon organizational problems. They are to be allowed to inspect any part of the facilities including the course. They will be provided with master maps at the start of the Air Navigation Race event.
- **B.12.4** The jury should be acquainted with the details of the Air Navigation Race test.

- **B.12.5** The jury will be provided with an office of adequate size to hear protests. The office will be kept locked at all times in the absence of the jury. The room will, where appropriate, contain a TV, videocassette recorder and monitor.
- **B.12.6** The obligation for organizing an event is that the host nation, the jury and international chief judge are available to ensure that the event is run in accordance with the rules. Neither the jury nor the international chief judge is responsible for any organizational problems.
- **B.12.7** The Jury, in consultation with the International Chief Judge has the right to authorize the use of technical equipment after suitable testing at the appropriate level.

B.13 RESULTS

- **B.13.1** A Master map showing the routes have to be published after debriefing of last competitor. (This information may be also be published by electronic device)
- **B.13.2** A preliminary result sheet should be handed over to each participant at end of his debriefing.
- **B.13.3** It should be the aim of the competition director to post the results at the earliest possible moment after all protests have been investigated, amendments made and the results ratified by the international chief judge and jury.
- **B.13.4** Results will be displayed on internet.
- **B.13.5** All final results together with all maps and flight plans will be returned to each competitor as soon as results have been finalized. If necessary, the competition director will send these to the National Aero Club immediately after the championship.

B.14 PRIZES AND PRIZE-GIVING

- **B.14.1** The usual awards approved by FAI will be made following ratification of the results by the international chief judge and jury.
- **B.14.2** The host Aero Club should endeavor to provide additional prizes and souvenir gifts to the championship.
- **B.14.3** Awards should be made at the final banquet or at the closing function of the championship.
- **B.14.4** The competition director must allow sufficient time 6 hours minimum between the commencement of hearings on protests and the start of the final banquet. See also protests.
- **B.14.5** Gold, silver and bronze medals will be awarded to the top 3 placing in each categories. Both pilots and navigators will receive medals.
- **B.14.6** List of trophies

APPENDIX B1

COMPETITION BUDGET

				Price	Person	Total
3.	Opening Ceremony	7				
•	Buffet					
•	Entertainment					
•	Others					
4.	Closing Ceremony					
•	Buffet					
•	Entertainment					
•	Others					
5.	Personal Costs, bo by the Organizer	rn				
•	Jury (3)					
•	International Chief Judge					
•	International Judge	s				
•	National Officials					
6.	Preparation of Competition					
	Flight time (route check)					
	Material:					
	F 1					
	Envelopes					
	• Flight order etc.					
	• Maps					
7.	Support from Sponsors and "others"					
	· ·					
7.	Exchange rate					
		Local Curre to €	ncy			

C. LOCAL REGULATIONS

- C 1. INTRODUCTION
- C 2. ORGANIZER
- C 3. PLACE
- C 4. DATES

C 5. ENTRIES

Completed entry forms shall be submitted by the Competitor's National Aero Club and shall be sent to:

to arrive by.....together with the entry fee. Entries received after this date may be accepted if there are vacancies, at the discretion of the Organizer. If a NAC sends a final entry but fails to pay the required entry fee, that NAC shall loose its right to participate in subsequent General Aviation Commission events until the fee is paid.

C 6. ENTRY FEE

- **C 6.1** The entry fee for each category is set out below:
 - a) for the aircraft: NONE
 - b) for each Pilot (and Co-Pilot)
 - c) for each additional Member of the Team (Team Manager, Engineers, etc.)
 - d) for International Judges and Judge Observers (50% discount for 1 Intl. Judge / country)

The entry fee must be paid with a check for the amount entitled to....., or by a bank transfer to:.....

- **C 6.2** Each entry form is regarded as accepted only when it is acknowledged by the Organizer; the acknowledgement will only be given when the entry fee has been received by the Organizer.
- **C 6.3** Entry fees include Opening Ceremony and Prize Giving Banquet; 2 Competitors competition maps are also included.
- **C 6.4** Cancellation of entries are possible before the final entry date without penalty.

After the final entry date, cancellation will be penalized by withholding 10% of the entry fee for each crew.

Cancellation later than 15 days before the beginning of the event will be penalized by withholding a maximum of 50% of the entry fee.

- C 7. TEAM MEMBERS
- C 8. AIRCRAFT AND INSURANCE
- C 8.1 AIRCRAFT
- C 8.2 INSURANCE
- C 9. ARRIVALS
- C 10. LANGUAGE
- C 11. BRIEFINGS
- C 12. SPECIFIC RULES
- C 13. COMPETITION MAP
- C 14. DOPING CONTROL
- C 15. CORRESPONDENCE AND COMMUNICATION

D. JUDGES AND JURY

D.1 GENERAL

- **D.1.1** The General Section of the Sporting Code (4.3.2) specifies that the International Jury must have a thorough knowledge of both the Sporting Code and the Rules and Regulations governing the event. 4.3.3 requires International Judges to have detailed knowledge of the Rules and Regulations of the Sport concerned.
- **D.1.2** The General Section of the Sporting Code specifies that the International Jury (4.3.2) and the International Chief Judge (4.3.3) shall be appointed by the Commission concerned with the discipline (GAC).
- **D.1.3** In the event that an appointed Jury Member or the International Chief Judge is unable to take up his appointment, he must inform through his NAC, at the earliest possible moment FAI/GAC, the organizing NAC and the President of the Jury. A replacement will be appointed by the President of GAC following consultation with the Chairman of the Sub-Committee concerned and the organizing NAC.

D.2 INTERNATIONAL JURY

GAC Championships will have a three member Jury

D.2.1 SELECTION

D.2.1.1 Jury members must be selected from the appropriate approved list of International Jurors, which is held and updated by FAI/GAC.

Jury members for an event will be proposed by the organizing NAC to the Subcommittee concerned. The Sub-committee will evaluate the proposal and will give advice to GAC.

GAC will then decide on the advice of the Subcommittee and appoint the Jury members and the President of the Jury for the event concerned.

D.2.1.2 In selecting Jury member's attention must be given to the relevant sections of the Sporting Code particularly in respect to not having two Members of the same nationality or the same nationality as the organizing NAC.

D.2.2 QUALIFICATION

- **D.2.2.1** International Jurors must have had experience either as a Jury «Observer», International Judge, as Chief Judge or as Competition Director. The qualification as International Judge and a working knowledge of English is compulsory.
- **D.2.2.2** The Sub-committee concerned will propose to GAC to delete any person from the LIST OF INTERNATIONAL JURY MEMBERS if the individual was not acting as INTERNATIONAL JURY MEMBER or INTERNATIONAL JUDGE or Competition Director of International competitions within the last 5 years (or as a competitor in International competitions within the last 2 years).
- **D.2.2.3** Jury «Observers» are only permitted to study the working of the Jury, as directed by the President of the Jury, without, in any way, interfering with decisions.
- **D.2.2.4** Requirements for being a Jury Observer:
 - a) attendance at one World or Continental Championship as competitor.
 - b) Experience of organizational work and judging at major national events.
 - c) Appointment as an International Judge.
- **D.2.2.5** Experience in the organizational work and judging is obtained by participating in at least three major national events either as a Judge or Assistant Competition Director.
- **D.2.2.5** Application form for appointment as an International Jury Member is attached as Appendix DI.

D.3 INTERNATIONAL JUDGES

A panel of International Judges should be appointed whenever a Competition contains subjective evaluation of performance (Sporting Code 4.3.3). International Judges shall be appointed for all GAC events.

Each participating country has to send a minimum of one qualified International Judge to an event defined according to the Sporting Code (4.1.2.2), if that country sends a team of three or more pilots. If no International Judge is sent, entry fee for the missing judge must be paid. The organizing NAC can offer to accept more than one International Judge per country.

The panel of International Judges will be led by an International Chief Judge according to the Sporting Code (4.3.3).

D.3.1 SELECTION

- **D.3.1.1** The International Chief Judge for an event will be proposed by the organizing NAC to the Subcommittee concerned. The Subcommittee will evaluate the proposal and will give advice to GAC. GAC will then decide on the proposal of the Sub-committee and appoint the International Chief Judge for the event concerned.
- **D.3.1.2** The International Chief Judge shall not be of the same nationality as the organizing NAC according to the Sporting Code (4.3.5). The organizing NAC has the right to appoint an International Judge.
- **D.3.1.3** An International Judge shall not be a Competitor, nor a team manager, nor hold any position in the organization of the Championship.
- **D.3.1.4** An International Judge must be selected only from the approved list of International Judges, which is held and updated by FAI/GAC.

D.3.2 QUALIFICATION

- **D.3.2.1** Qualification for being an International Chief Judge shall require experience as an International Judge during at least one World or Continental Championship, in addition to experience of organizational work and judging at major national events. Any effort should be made to propose/select the International Chief Judge from the current list of International JURY Members.
- **D.3.2.2** Any person should be deleted from the GAC's LIST OF INTERNATIONAL JUDGES if the individual was not acting as INTERNATIONAL JUDGE or Competition Director or competing pilot within the last 6 years.
- **D.3.2.** An International Judge shall have detailed knowledge of all the Rules and Regulations of the sport concerned according to the Sporting Code (4.3.2). A working knowledge of English is compulsory.
- **D.3.2.4** International Judges should have experience of judging at not less than three major national events, and should preferably also have had experience as a Competitor. He/she shall have been the Chief Judge or Competition Director at not less than one major national event. Participation as Judge Observer can replace one other requirement.
- **D.3.2.5** It is essential that NAC's organize training seminars for prospective Judges in connection with national events. At such seminars, the relevant Rules and Regulations including the Sporting Code should be instructed in theory. The event itself then becomes a practical exercise.
- **D.3.2.6** Application form for appointment as International Judge is attached as Appendix D2.

D.4 CHAMPIONSHIP OFFICIALS

- **D.4.1** The Competition Director shall be an International Judge. A working knowledge of English is compulsory.
- **D.4.2** The Route Planner must have experience in the route planning of major national events, run according to these rules and regulations.
- **D.4.3** The Local Chief Judge must have a working knowledge of English. He/she should have the qualification of an International Judge.

D.5 COSTS

- **D.5.1** The cost of travel to and from the venue for the event, together with the cost of accommodation and meals during the required stay at the venue, shall be borne by the organizing NAC for the International Jury and the International Chief Judge.
- **D.5.2** The organizing NAC shall not be required to bear all the cost for the other International Judges. The organizing NAC shall not charge more than half of the regular entry fee for an International Judge / country.

APPENDIX D 1

APPLICATION FORM FOR APPOINTMENT AS INTERNATIONAL JURY MEMBER FOR AIR NAVIGATION RACE

Please print

Name
Address
Tel.: Fax:
National Aero Club
Date of application: Year approved as FAI International Judge
Requirements (any two of the following four items):
1. Participation as Jury Observer (World or Continental Championships, 1 only)
Year: Venue:
2. Participation as International Chief Judge (World or Continental Championships, 1 only)
Year: Venue:
3. Participation as Competition Director (World or Continental or National Championships under identical rules, 2 only)
Year:Venue:
Year:Venue:
4. Participation as a Competitor (in FAI Air Navigation Race Championships, 2 only)
Year:Venue:
Year:Venue:
I confirm that I have a detailed and thorough knowledge of the FAI Sporting Code and the current Rules and Regulations of the sport of Air Navigation Race.
Signed:
The National Aero Club of confirms, that the information given above is correct.
Date: Name of NAC Official (printed): Signature:
Position in NAC:NAC Address:

Tel.:.... Fax:....

APPENDIX D 2

		ON FORM FOR OR AIR NAVIGATION		AS INTERNATIONAL
Please print	Name:			
	Address:			
			Fax:	
		ub:	Date of application:	
	Requirements (a	any two of the following fou	r items):	
	1. Participation	as Judge (National Cham	pionships, minimum of 3	required)
	Year:	Venue:		
	Year:	Venue:		
	Year:	Venue:		
	2. Participation minimum of 1 rec	as Chief Judge or Compe quired)	etition Director (Nationa	I Championships,
	Year:	Venue:		
	3. Participation	as Competitor (Internation	al Championships, minir	num of 3 required)
	Year:	Venue:		
	Year:	Venue:		
	Year:	Venue:		
	4. Participation	as a Judge Observer (Int	ernational Championshi	ps minimum of 1 required)
	Year:	Venue:		
Flying.	t I have detailed king knowledge o		e of the Rules and Re	egulations of Air Navigation Rac
Sign	ed:			
The National	Aero Club of	confirms, that the	e information given abo	ove is correct.
Date:	Name	e of NAC official (printed)	:Sigr	nature:
Position in N	AC:	NAC Address:	:	

Tel.:.... Fax:....

E BIDS, FINAL DECISION AND APPROVAL OF LOCAL RULES FOR WORLD OR CONTINENTAL CHAMPIONSHIPS.

E.1 PRELIMINARY BID.

A preliminary bid (or letter of interest) to host a World or Continental Championship may be made to GAC at any time (unrestricted number of years) prior to the date when the planned event shall take place. This preliminary bid shall contain: Type of competition (Air Navigation Race), if it is a World or Continental Championship and the year for the event. Other information is welcome but not necessary. The preliminary bid shall be noted in the minutes of the first GAC meeting after GAC has received the bid. The bidding NAC shall than confirm the bid at all coming GAC meetings (by letter or orally at the meeting) until the final bid is presented.

E.2 FINAL BID.

The final bid to host a World or Continental Championship, containing all required information, shall be sent to GAC no later than six (6) months prior to the GAC meeting when the decision will be made. The bid shall be forwarded to the Chairman of the relevant Sub-Committee. The relevant Sub-Committee shall examine all bids and shall make their recommendations to the GAC meeting.

E.3 CONTENTS IN A FINAL BID.

- E.3.1 A final bid to host a World or Continental Championship shall contain the following information to be considered as valid:
 - a) Name and address of the bidding National Aero Club (NAC).
 - b) Name and address of organisation delegated by the NAC to organise the event (if any).
 - c) Experience in organising the relevant type of competition.
 - d) Name, address and relevant experience of the Competition Director appointed by the organizer.
 - e) The proposed dates of the event.
 - f) The site (name of city and airfield).
 - g) Airfield infrastructure that will be available for the competition (runway length and condition, elevation, equipment's, buildings, facilities, ATC, other traffic, etc.).

The venue at the airfield must have the following facilities within walking distance of the apron where the competition aircraft are parked:

- 1. Flight planning/briefing room
- 2. Team managers post boxes for information distribution
- 3. Shop that sells drinks, and snacks
- 4. Adequate toilet facilities.
- 5. Covered area where pilots waiting to enter the flight planning room.
- h) Weather history of the area at the relevant time of the year (air temperature, wind, thunderstorms, etc.).
- i) Describing the landscape in the area to be used for navigation flights (flat land, hills or mountains, lakes or rivers, wooded area or open fields etc. in general terms).
- j) Type and scale of the competition map. (At least two samples of the map to be used in the competition must be appended to the bid.)
- k) Condition and any restrictions of airspace.
- I) Any special insurance requirements.
- m) Type of accommodation and distance between accommodation and airfield.
- n) An indication of the amount of the entry fee and what the entry fee includes.
- o) Any conditions concerning admission of participants to the country or location of the event.
- p) Signed by the President or the Secretary General of the National Aero Club who is a valid member of FAI.

E.4 FINAL DECISION ON BIDS.

- E.4.1 The GAC meeting will make the final decision of which NAC will be given the right to host a World or Continental Championship three (3) years prior to the date when the event shall take place.
- E.4.2 If there is no final and valid bid to host a particular championship three years in advance, the decision may be made at the meeting two (2) or even one (1) year prior to the event. (To be able to make a decision only one year prior to the event, the final bid together with the proposed local rules shall be in the hands of the Chairman of the relevant Sub-Committee no later that six (6) months prior to the GAC meeting.)

E.5 LOCAL RULES

- E.5.1 Proposals for local rules for the Championship shall be sent to the Chairman of the relevant Sub-Committee no later than six (6) months prior to the GAC meeting that will approve the rules. The relevant Sub-Committee shall examine the proposed local rules and make their recommendations to the GAC meeting.
- E.5.2 The GAC meeting shall approve the Local Rules for a Championship at a regular GAC meeting held at least eight (8) months prior to the event.