COMPETITION RULES

1. National Cross-Country Championship
2. National Cross-Country Cup
3. National FIA\CIVL Cat.2 Event Championship

Preface

Purpose

The Luxembourg Championship for hang-gliding and paragliding serves to promote competition flying within these respective sports. The Championship is divided into two disciplines:

1. Cross-Country competition
2. FAI\CIVL Category 2 Event (racing competition)

Organizer

The 'FÉDÉRATION AÉRONAUTIQUE LUXEMBOUGEOISE' (F.A.L.), is the organizer of these events, coming under the supervision of the section for Hang-gliding and Paragliding.

Scoring

The FAL section for Hang-gliding and Paragliding will appoint competent individuals for scoring. These Scorekeepers cannot participate in the competition themselves.
 These Scorekeepers will be responsible for analyzing submitted flight-claims and competition results in order to ensure accuracy as well as to determine overall ranking. Any questions participants may have concerning technical or organizational aspects of the competition should be directed to the Scorekeepers. Their contact information will be published on the F.A.L. Website before the competition season starts.

Entry Requirements

Participation

Pilots wishing to participate in the Luxembourg Championship must meet the following requirements:

- Be a citizen of Luxembourg or be registered in Luxembourg with Luxembourg as the primary place of residence.
- Possess an FAI Sporting license (issued by the FAL) that is current for the duration of the competition.
- Possess a valid pilot's license as well as all requred insurance.
- Prior to the initial competition each pilot wishing to participate in the Cross-Country championship must first register at the following Website **http://www.xc-lux.org**
- Pilots wishing to participate in the FAI\CIVL Category 2 Event Championship must first submit a registration form to one of the official FAL Scorekeepers. (These can be downloaded at: www.aeroclub.lu\download).
- In order to take part in subsequent yearly Championships each participant is required to check his personal data profile at least once a year and ensure it is up-to-date.

- Each time a participant registers for a competition the pilot's FAI Sport license number must also be submitted.
- By registering as a participant, or by updating data for a renewed competition, the pilot aknowledges the validity of the current competition ranking of the Luxembourg Championship.

Participation in the Luxembourg Championship competitions is free.

1. CROSS-COUNTRY CHAMPIONSHIP

Brief Description

The Luxembourg Cross-Country Championship is a national competition. Only flights documented via GPS recorders will be accepted. Flight-claims must be submitted via internet for evaluation within 14 days of the flight to the Leonardo XC League Server (**http://www.xc-lux.org**). In this way, the Luxembourg Cross-Country Championship provides a transparent and up-to-the-minute posting of both privisional and final competition results.

Airworthiness of Equipment

Each pilot is responsible for ensuring the airworthiness of his or her glider and must possess all necessary insurance documentation (including third party liability) to satisfy the legal requirements for cross-country flying. Additionally, it is the pilot's responsability to ensure his or her glider meets the criteria for the particular class in which it is entered. At the request of the Hang Gliding and Paragliding section of the FAL, a pilot must prove his or her glider's adherence to the criteria of a particular class.
Changing gliders during the competition, as well as participation in multiple classes is allowed.
It is possible to change a flight-claim from one class to another provided this is accomplished wiithin 14 days of the flight.

A flight-claim may only be entered into one class. During the competition season, should a pilot change to a glider that pertains to a different class, the flight-claims previously entered in another class will not be carried over into the new class.

General Regulations

In addition to the competition's regulations, the general regulations of the National Sporting Code of the FAL found under the 'Section Generale' as issued by the 'Commission Sportive Nationale', also apply.

Duration of the Competition

The competition season runs parallel to that of the **Leonardo XC League.** As a general rule, it begins October 1 and ends September 30th the following year.

Area of Validation

With respect to the Luxembourg Cross-Country Championhsip, only flights beginning within the borders of Luxembourg will be valid. Flights beginning in Luxembourg but terminating at a point outside of the country's borders will still be valid. With reference to the Luxembourg Cross-Country Cup all flights conducted anywhere in the world will be valid.

Launch Procedures

Foot-launching, tow-luanching, and for hangliders and rigid-wings, utlralight-towing, are all acceptable. For ultralight-towing the maximum release height may not exceed 1000 m AGL (referenced to aerodrome altitude).

Aviation Regulation Requirements

All flights must adhere to the respective aviation regulations for the the country in which the flight is conducted. Each individual pilot is solely responsible for complying with these regulatons and by submitting a flight to the competition is expressly confirming his or her aherence.
A flight-claim whose track-line depicts an airspace violation (i.e. flights through a CTR), or flights that incur aviation authority penalties, will be disqualified by the Scorekeepers.
With respect to airspace violations, in order to accomodate the possibility of instrument error, the following tolerances will be allocated:
Height (vertical): 5 % of the total flight altitude with a maximum of 100 m.
Horizontally 500 m
Complaints relating to airspace violations must be send within 14 days to the scorekeepers. The scorekeepers must take a decision about the validity of the flight within 30 days.

IGC Files

Individual IGC-files must be stored by the pilot for a minimum period of one month following the date the flight is submitted to the competiton (as a personal data-backup). It is highly recommended not to erase flight-tracks on a GPS recorder until such time as the Leonardo server has confirmed acceptance and validity of the flight.
By uploading an IGC file to the Luxembourg Cross-Country Championship's server the pilot acknowledges that all property rights with regards to that file will then be shared with the event organizer.

Championship Classes

Classes

The following classes will be represented In the Luxembourg Cross-Country Championship and Cup:

Types	Klasse	Description	EN Standard	LTF Standard	DHV – Class
Hang Glider	**FAI – 1**				
Hang Glider Rigid Wing	**FAI – 5**				
Paraglider	**FAI – 3**	**Standard**	A, B, C	A, B, C	1,1-2, 2
Paraglider	**FAI – 3**	**Sport**	D, Open Class (with field-test certification)	D, Open Class (with field-test certification)	2-3 , Open Class (with field-test certification)
Paraglider	**FAI – 3**	**Tandem**	A, B, C	A, B, C	1-2, 2

Non mentioned Standarts will be assigned by the scorekeepers to an equivalent EN Standard.

Flights will only be evaluated in their respective classes.

Minimum Required Participation

In order for a Luxembourg Cross-Country Championship Class to be validated at least 3 participants must have entered valid flight-claims in that respective class.

Evaluation and Documentation of flights

Documenting flights

The Luxembourg Cross-Country Championship allows pilots to fly cross country without having to declare a task before take off. Documenting a flight may only be done through the use of an appropriate instrument:

- Standalone GPS
- GPS with variometer and barograph
- GPS integrated flying instruments
- Logger

The track recording interval of the instrument must show at least one position recording per 60 seconds.

Evaluation of Tracks

After landing, the recorded track-log should be evaluated to determine the scoring distance flown. Here the start point, up to 3 turn points and the finish point are to be positioned on the tracklog to provide the greatest possible distance. A flight may be scored as a triangle, when the distance between start point and finish point is less than 20% of the entire distance as given by the 3 turn points. The scoring distance will then be given by the turn point distance, minus the gap (finish to start) distance.

With reference to utralight-tow launches, the distance towed will not be scored. It is the pilot's responsability to ensure that all tracks associated with the towing process are deleted from the flight-claim.

Scoring

- **Free Flight**: Flights consisting of three points, but which do not conform to the triangle track specification (see above) will be alloted 1.5 points per kilometer flown.
- **FAI Triangle**: A triangle wherein the shortest leg of the triangle is at least 28% of the total triangle will be alloted 2 points per kilometer flown.
- **Flat Triangle**: Triangles that do not conform to the FAI triangle specification will be alloted 1.75 points per kilometer flown.
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The scoring rule which gives the most points will always be used. All scoring results will be rounded up to the nearest hundredth of a point.
No minimum distance is required for a flight-claim to be valid.

Number of Flights which Count toward the Final Score

A pilot may register as many flights as he or she may wish; the three best flights will be used to determine the final score.

Evaluating the Flight Track-Log

After landing, the recorded track-log should be transfered to a computer and converted to a valid IGC file format. Once this is done, the IGC file, along with the pilot's personal data, should be uploaded to the competition's server to be entered into the scoring (**http://www.xc-lux.org**). All flight evaluation and optimization will be conducted centrally at the server and will be based on providing the greatest amount of points available per flight-claim.

Registering a Flight-Claim Online

Each flight-claim must be registered at the competition's server (**http:// www.xc-lux.org**) within 14 days of the flight (date of flight x 14 days/24:00 hours UTC). Flight-claims exceeding this deadline will not be accepted.
Flights that have been willfully or evidently falsified will be deleted. The submitting of flight-claims that have been obviously manipulated will result in the dismissal of the pilot from the competition.
In the event of doubt concerning a flight-claim's tracks, the pilot, upon request of the FAL Sporting Commission, must be able to provide a complete, gap-less recording of the flight.
After registering a flight with the competition's server, each pilot must review the flight-claim online to ensure that it's accuracy and date are correct. Evidently incorrect flights must be deleted or edited immediately. It this is not accomplished, such flights will be deleted without comment by the Scorekeepers.

Following the14 day deadline, flights-claims may no longer be withdrawn or edited by the pilot.

2. FIA\CIVL Category 2 Event Championship

Brief Description

The Luxembourg Championship for FAI/CIVL category 2 Event(s) is a national competition and will be carried out according to the FAI rules found under FAI sections 7a and 7b (http://www.fai.org/hang_gliding/documents).

The championship will take place at the following event(s):

Event 2011

Event	Date	Location	Country	Organizer
Mosel Open	Tbd	Tbd	Germany	Moselglider

Validation

At least two valid tasks are required in order for the event to be validated. Should this not be possible, an alternate event will be chosen.

Minimum Participtation Requirement

In order for the Luxembourg Championship to be valid, at least three pilots must have participated in the competition.

3. Championship Ranking, Results, Awards Ceremony

Championship Ranking

Overall rankings will be determined for the following competitions:

- National Luxembourg Cross-Country Championship
    o In this competition, only flights initiating within Luxembourg will be valid.

- National Luxembourg Cross-Country CUP
    o In this competition a participant's flights anywhere in the world will be valid.

- Nationaler Luxembourg FIA\CIVL Category 2 Event Championship
    o In this competition the overall result of a pilot participating in the designated FAI Category 2 event(s) will be valid.

Provisional Results

Provisional results for the Cross-Country Championship and CUP will be constantly updated during the competition and may be viewed at **http://www.xc-lux.org**

Provisional final results for the the FAI\CIVL Categorie 2 Event Championship will be published after the conclusion of the event.

Final Results

Final results for the Cross-Country Championship and CUP will be determined once all flights have been evaluated and validated and the protest deadline has been reached.

In case of equal points at final results, the pilot with the lowest amount of flights will be the winner. In case of equal number of flights the pilot with the highest score flight will be the winner.

The final results will likewise be available for viewing at **http://www.xc-lux.org**

The final results for the FIA\CIVL Categorie 2 Event Championship will be published after the protest deadline has been reached.

Awards Ceremony

The Awards Ceremony for the Luxembourg Cross-Country Championship and CUP for Hang Gliding and Paragliding will be conducted by the FAL.

Winners and Titles

The winners of the following competition classes will be awarded the title of Luxembourg Cross-Country Champion and Winner of the Luxembourg Cross-Country Cup.

Winners::

Hang Glider (FAI Class 1)
Rigid Wing (FAI Class 5)
Paraglider (FAI Class 3 - Standard Class)
Paraglider (FAI Class 3 - Sport Class)
Paraglider Tandem

Female Champion in Hang Gliding/Paragliding The most succesfull female pilot will be the awarded the title of Luxembourg Female Champion for her participation in the Luxembourg Cross-Country Championship and Cup

Junior Champion The most succesfull junior pilot (max. 28 years old by competition's end) will be awarded the title of Junior Champion providing he or she has participated in the Paraglidng Standard Class or Hang Glider Klass 1.

The winners of the following competition classes in the designated FAI\CIVL Category 2 Event(s) will be awarded the title of Luxembourg FAI Champion.

Hang Glider (FAI Class 1)
Rigid Wing (FAI Class 5)
Paraglider (FAI Class 3)

Female Champion in Hang Gliding/Paragliding The most succesfull female pilot will be awarded the title of Luxembourg Female Champion for her participation in the Luxembourg FAI\CIVL Category 2 Event Championship.

Junior Champion The most succesfull junior pilot (max. 28 years old by competition's end): Though the FAI does not make a distinction for this category at this time, the FAL will award the title of Junior Champion to that pilot for his or her participation in the Luxembourg FAI\CIVL Category 2 Event Championship.

Protest

Objections and Protests will be dealt with by the FAL Sporting Commission. The decisions of this commission will be final. Protests must be submitted in writing to the FAL head office. The deadline for sumbitting a protest is within one month after occurrence of the flight-claim or Event. The date that the protest letter is posted will count as the valid sunmission date.

Approved by the FAL Sporting Comission   Luxembourg,

A.Weber