



F1H EURO CHALLENGE

HEC 2019

Contest rules



☺ **HEC - 120 sec is a MAX!** ☺

A. General remark:

- a. **F1H EURO CHALLENGE (HEC)** was founded in 2011 by Ansgar Nüttgens to promote the freeflight glider class **F1H**. It will give all freeflight sportsmen, especially children, but also experts, who can't or don't like anymore to follow the quick development of World-Championships classes with always "**quicker, higher, more technology and functions as also higher expenses**" the chance to support a *new platform of freeflight on a lower level*. The target of this **HEC** series is to create fun under the flyers, to increase the interest for this class by encouraging participation **especially** of **young people** in the international atmosphere and respectful sportsmanship in the spirit of mutual trust and fairness.
- b. **HEC** Board has the intent to develop **HEC** in the spirit of a future oriented piloting for FF basis according **HEC vision 2020⁺** (<http://www.creasus.de/ikarus/HECdream2020+.pdf>). Let's make **HEC** **fascinating** and **challenging** for Beginner, Advanced as also Experts and professional sportsmen independent from the age and technical skills. Therefore **HEC** categories with visible and easy controllable definition were installed in 2014 to give all an individual basis of activity and self motivation by flying against other with similar condition under the common screen in this **HEC** series without borders in the spirit of freedom.

B. HEC contest rules:

- a. Contests included in the **HEC** calendar must be flown in the **class F1H** according actual FAI Sporting Code and this **HEC** rules with following exceptions:
- **no** minimum weight in **HEC**
 - **no** usage of LDA or Hybrid airfoils² in **HEC** category **O**
 - flying **different HEC categories** models in 1 contest is possible, as long as all other competition rules are observed.
- b. At a local **HEC** contest exists only one **F1H ranking**.
- c. **Competitors** are only listed in the **HEC** ranking, when flown models in all flights incl. FO will correspond to characteristics in Appendix 1.
- d. Every sportsman has to announce at the **registration** of a **HEC** contest the category **in own responsibility**. In case this doesn't happen, the results will be considered only in the total ranking list. The task of the contest organizer is only to enter this data in the result list.
- e. Contest director (CD) has to take care, that **HEC** contests will run according the FAI/ **HEC** rule. Every sportsman, who takes part in a **HEC** contest, agrees to follow these **HEC** rules.
- f. Not following this **HEC** rules by sportsman lead to cancellation of his personal **HEC** result and not following by the CD can bring cancellation of complete contest as **HEC** results.

C. HEC categories www.creasus.de/ikarus/HECcategories.pdf

- a. **HEC** contest are flown only 1 class **F1H**. **HEC** categories are no own classes, but will be taken only for the separate **HEC** ranking list in S, C and B in the total **yearend ranking**.
- b. **HEC** categories are the key to bring all forces in **HEC** together in a great **F1H** family.
- c. Decisive for the category assignment is the model property when used in competition and not only their possible use.
- d. The use of a lower classified model in a higher category is permitted, if it has not already been used in a different category in this competition, but not opposite.

D. HEC - competition list www.creasus.de/ikarus/HECSchedule.pdf

- a. Every country and the **HEC** board can nominate maximum 3 **HEC** contests per year. HEC board will select contests as promotion and also extraordinary F1H contests.
- b. The **HEC** country coordinator has to send the registration form to his Regional Coordinator. Not flown **HEC contests** can only be repeated or the original date rescheduled, when new date has been published in the original bulletin or the reserve date/ change will be communicated 7 days before new date. Therefore it is recommended to nominate a reserve date in the beginning of a year to prevent complications and additional later activities.
- c. Late nominations during the competition season are only possible for overriding reasons and with the approval of **HEC** Board.
- d. All **HEC** contests must be flown before the **HEC Final** to carry out the prize giving ceremony at this final.

E. Scoring of each HEC event:

- a. The flying time of each competitor will be calculated as %points of the maximum flying time. Standard are 5 flights of 120 sec = 600 sec. In case of reducing maximum time or not flown rounds in consequence of weather reasons 450 sec will be set as minimum.
- b. Flying 1st or other rounds, especially round 5 as pre fly-off with overtime is possible, but in this case 120 sec will be the max basis for calculation of **HEC** results in %.
- c. In contests with more than 5 rounds the first 5 rounds will be calculated for the **HEC** results.

F. Overall year result: <http://www.creasus.de/ikarus/HECresults.html>

- a. The total score will be determined by addition of **best 2 results** in each category.
- b. In case of a **tie** the winner will be ascertained by taking the result of the 3rd best result and if necessary in categories C/ B/ O the 4th best contest will be the decision maker, else a **Fly Off** in each ranking (category and total) at the HEC Final must solve the tie.
- c. In case of not possible to run a fly off the next best result will be chosen, otherwise the lowest sum of place number of **HEC** contestants will be taken (example see Appendix 3).
- d. Separate **junior ranking** (born after 2000) in all categories with >= 3 competitor.
- e. The organizer of **HEC** contests has to send the results on the official printed form to the Head of results HECcranking@gmail.com + region/ country coordinator in cc within 14 days

G. HEC - Organisation:

The **HEC Board** will run the **HEC** series after the rules and has following members:

Ansgar Nüttgens	(GER)	HEC coordinator
Peter Morocz	(HUN)	Head of HEC schedule
Tamas Szteblak	(HUN)	Head of HEC results
Ferenc Kerner	(HUN)	Region coordinator South East Europe
Daniel Rössler	(CZE)	Region coordinator Central Europe
Gary Madelin	(GBR)	Region coordinator North West Europe


Protests must be sent in written form with a protest fee of 25 € to the **HEC Jury**:

Leslie Farkas	(CAN)
Mirsad Kapetanovic	(BIH)
Volker Bajorat	(GER)
Ferenc Selmecci	(HUN) as reserve

In HEC as a land of mutual respect, rules are just a piece of paper and fairness is the way to follow!

Appendix 1: Overview of categories and model characteristics

See the details in www.creasus.de/ikarus/HECcategories.pdf

2019	total HEC ranking in 1 class F1H				
	category ranking in S, C, B <u>only</u> for the yearend ranking				
HEC category	HEC - S	HEC - C	HEC - B	HEC - O	HEC total
<u>main criterion</u>	<i>S = Straight</i>	<i>C = circle</i>	<i>B = Bunt</i>	<i>O = Other</i>	<i>all models incl. O will be ranked in total</i>
simple, due	no Bunt		Bunt		
clear visible	open hook	circle tow	irreversible ¹ or 2 functions	no LDA or Hybrid Profile ²	
for everybody					
rules with exception	FAI Sporting code + in HEC <u>no</u> minimum weight of 220g + in O no LDA/ Hybrid Profile and several models in different categories are possible to fly in 1 contest				

¹ irreversible = lines are moving away from the servo/timer and can't work after release a 2nd time

² LDA = Low Drag Airfoils/ Hybrid profile for reaching greater start height cannot be used in HEC-O

Appendix 2: Example for Scoring for each single event

	pre-name	name	contest in	round					Sum	FLY	total	HEC points
				1	2	3	4	5		FO 1		
A	Standard contest with 5 rounds and 120 sec Maximum time											
contest 1				120 sec	120 sec	120 sec	120 sec	120 sec	600	180		
	Mister	Freeflight	GER	120	120	120	120	120	600	180	780	100%
B	due to a thunderstorm and heavy rain, the 5.th round can't be flown											
contest 2				120 sec	120 sec	120 sec	120 sec		480			
C	Mister	Freeflight	HUN	120	120	120	120		480		480	100%
	due to strong wind speed, the maximum flying time must be reduced to 90 sec											
contest 3				90 sec	90 sec	90 sec	90 sec	90sec	450			
D	Mister	Freeflight	GER	90	90	90	76	53	399		399	89%
	flying round 4 and 5 with overtime as pre-fly off											
contest 4				120 sec	120 sec	120 sec	180 sec	180 sec	600	--> maximum 600 sec		
E	Mister	Freeflight	ITA	120	120	120	180	172				
	as HEC result -->			120	120	120	120	120	600		600	100%
	due to strong wind speed, the maximum time must be reduced to 90 sec and round 4,5 can't be flown											
contest 6				120 sec	120 sec	90 sec			330	--> mininum 450 sec		
F	Mister	Freeflight	GER	120	120	82			322		322	72%

Appendix 3: ranking rules for Total HEC series

HEC ranking	HEC - S	HEC - C	HEC - B	HEC - O	HEC total
Yearend ranking	✓	✓	✓	✗	✓
Basis ranking	2 best result				
Decision maker in case of tie	3 rd best result				
	4 th best result				
precondition for qualification	300%	400%			max in category
	at HEC final after last contest in each category and total after a tie				

Appendix 4: F.d. rules for solving a tie in HEC

case 1:	the 4 th result will solve the tie										
	before final						final and result after FO				
name	con- test 1	con- test 2	Sum best 2	con- test 3	con- test 4		final	tie after 2 + 3rd contests	best 4th	place	
flyer 1	100%	100%	200%	100%			100%	300%	100%	1	
flyer 2	100%	100%	200%	100%	98%		94%	300%	98%	2	
flyer 3	100%	100%	200%	100%	94%		95%	300%	95%	3	
flyer 4	100%	100%	200%	99%	97%		50%				
flyer 5	100%	98%	198%	97%	93%		95%				

case 2:	in case of a tie after 4th result, a Fly off at HEC final will solve the tie										
	before final						final and result after FO				
name	con- test 1	con- test 2	Sum best 2	con- test 3	con- test 4		final	tie after 4 contest	FO at final	place	
flyer 1	100%	100%	200%	100%	96%		100%	400%	250	1	
flyer 2	100%	100%	200%	100%	100%		95%	400%	245	2	
flyer 3	100%	100%	200%	100%	100%		0%		0 *	3	
flyer 4	100%	100%	200%	99%	97%		50%				
flyer 5	100%	98%	198%	97%	93%		93%				

* competitor don't take part at the HEC final Fly off

case 3:	FLY off at HEC final could not be flown, then 5 th result will break the tie										
	before final						final and result w/o FO				
name	con- test 1	con- test 2	Sum best 2	con- test 3	con- test 4	con- test 5	final	tie after 4 contests	FO at finale	WTB 5	place
flyer 1	100%	100%	200%	100%	100%	100%	84%	400%	can't be flown	100%	1
flyer 2	100%	100%	200%	100%	100%	85%	96%	400%		96%	2
flyer 3	100%	100%	200%	100%	95%	0%	100%	400%		95%	3
flyer 4	100%	100%	200%	100%	94%	0%	100%	400%		94%	4
flyer 5	100%	98%	198%	97%	0%	0%	100%				5

case 4:	FLY off at HEC final could not be flown and 5th don't solve the tie, then lowest place number of 4 contests										
	before final						final and result w/o FO				
name	con- test 1	con- test 2	Sum best 2	con- test 3	con- test 4	con- test 5	final	tie after 5 contests	FO at finale	place number	place
flyer 1	100%	100%	200%	100%	100%	100%	84%	500%	can't be flown	7	1
flyer 2	100%	100%	200%	100%	100%	100%	95%	500%		9	2
flyer 3	100%	100%	200%	100%	100%		100%	500%		10	3
flyer 4	100%	100%	200%	100%	100%	96%	95%				4
flyer 5	100%	98%	198%	97%	93%	0%	100%				5

In the event of a tie for any placing, the competitors with that placing will share the points which would have been awarded to the places covered had the tie been resolved (round up the score to the nearest whole number of points).