



HEC - categories 2020



☺ Fly free and easy ... like the birds ☺

Why exist anyway in HEC categories in F1H ?

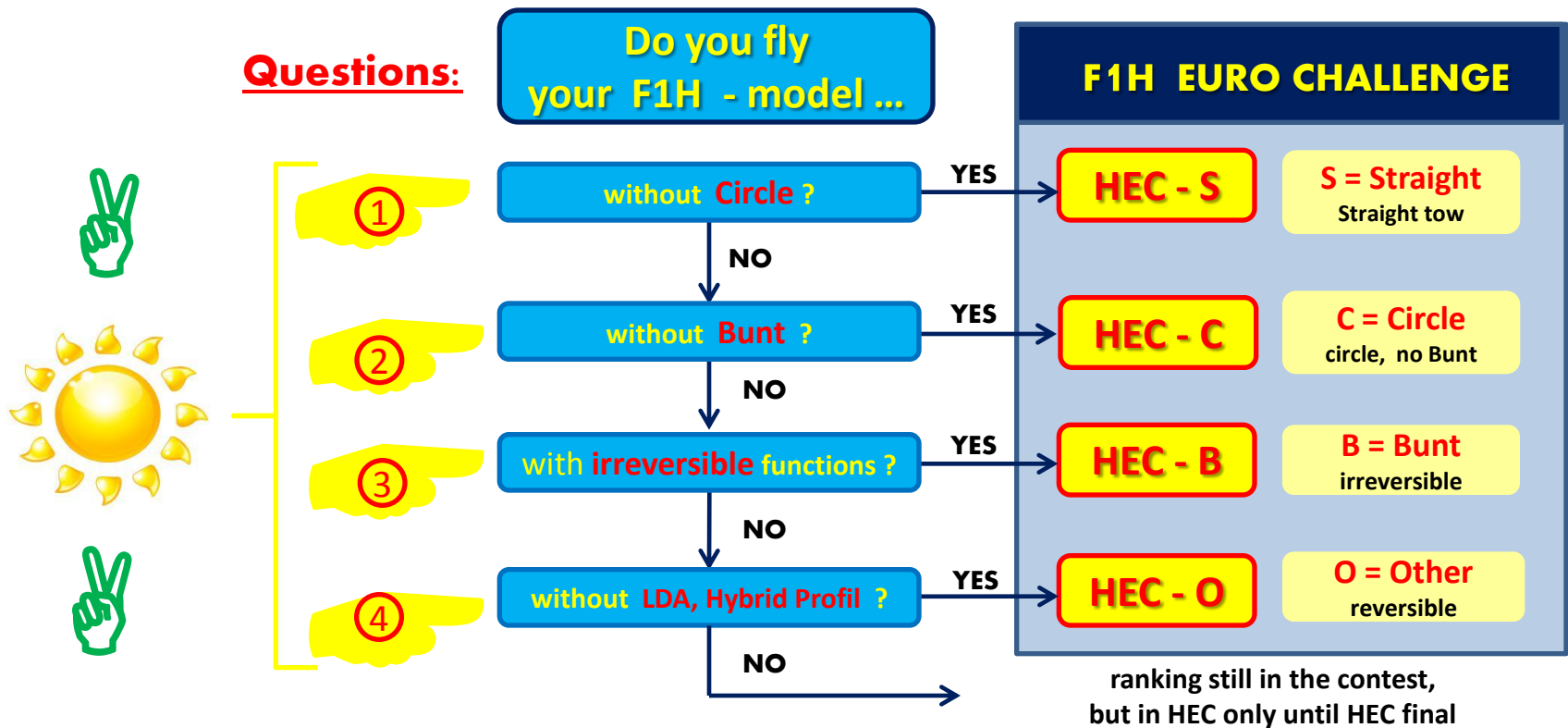
Important Info: HEC - categories are *no* classes, but ...

- *all HEC contests* will be flown only in the *class F1H* !
- *HEC - categories* will be taken only for the *season ranking* of this series.
- beside the *Total ranking* also exist a separate ranking in *B*, *C* and *S* categories. Models in the category *O* are the performance leaders in **HEC** and will be included in the *total ranking* , due by *highest* chances by *O* of all F1H models.
- this shows clearly, that in the **HEC series** the *basics* of *freeflight* will be promoted, but the *TOP performance flyers* also have their place in HEC.
- in the single **HEC - categories B, C, S** the competing sportsmen with *similar technical equipment* have a *comparable condition* in the competition.
- these categories open up the *challenge during the season* and last but not least also increases the *contest participation* to qualify for the **HEC Finale**.
- *all F1H flyers* receive an additional 2nd *fascinating chance* by competing with *like minded* sportsfriends in a *sportive* and *fair competition*.

☺ *HEC categories* build an *important function* for *all F1H* flyers ☺

Determination of your HEC category

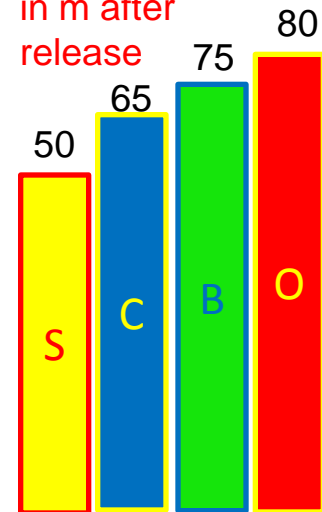
😊 we fly our HEC contests always in **1 class F1H** 😊
Split in **categories** will be made only in **HEC - seasonranking** !




4 HEC categories built ... due of different start methods & height



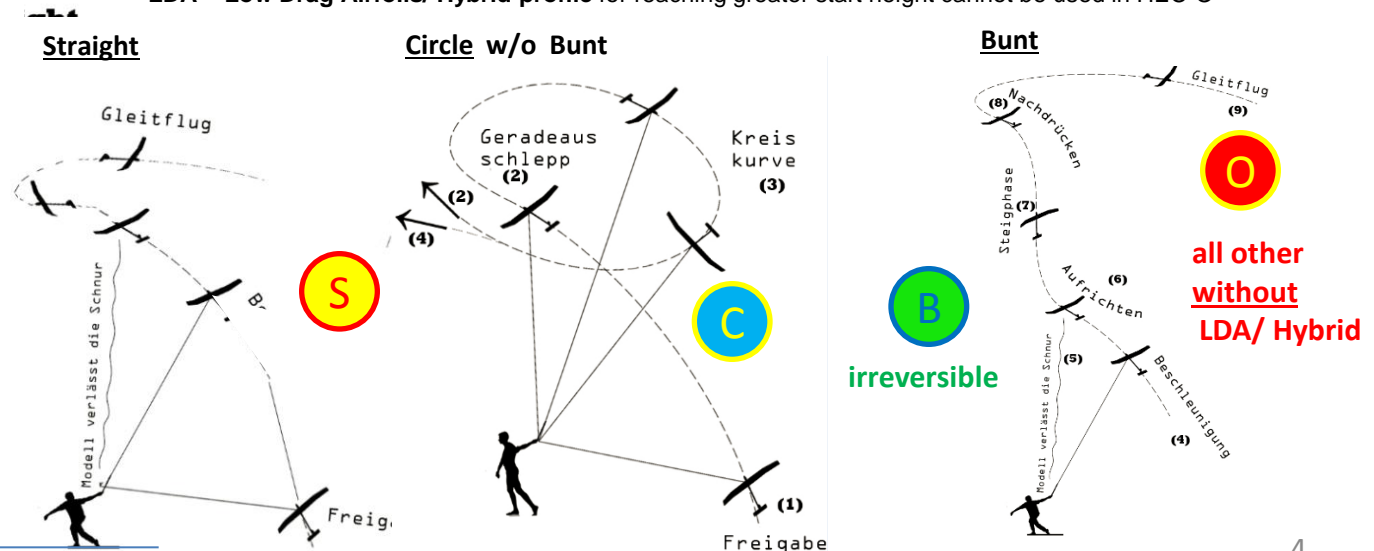
Maximum ~ height
in m after
release



	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 clear visible for everybody	no Bunt		Bunt		
	open hook	circle tow	irreversible ¹ or 2 functions	no LDA or Hybrid Profile ²	
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

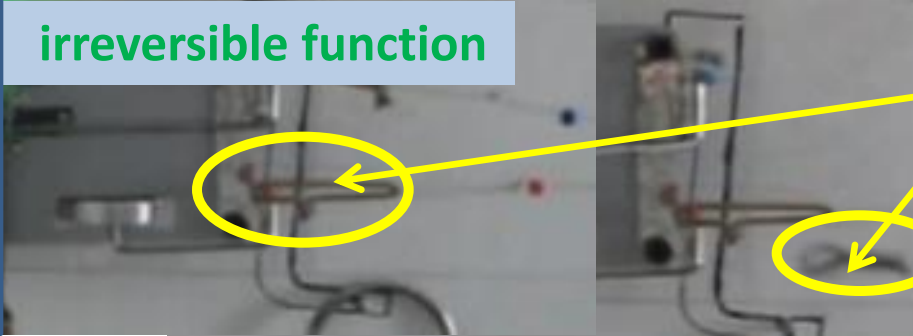


What are irreversible functions in Freeflight ?

this criteria exist for separation of **B** or **O**, but not exists in categories **C** and **S**

H
E
C
-
B

irreversible function



irreversible function:

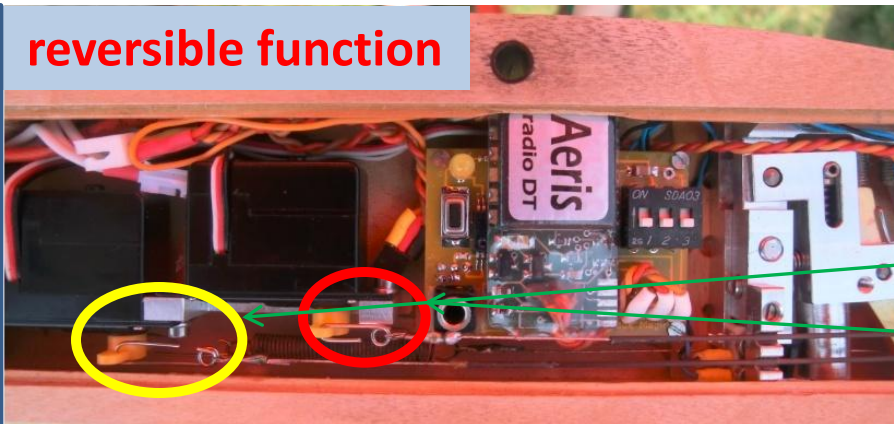
After the release of the line from timer/ servo **no further move** of function is possible

Example for irreversible functions

www.youtube.com/watch?v=RJolkalfhVg

H
E
C
-
O

reversible function



reversible function:

line is fixed on the servo/ timer and can be moved after 1st move of servo functions again

no usage of **LDA**, **Hybrid** profile in category HEC - O

HEC - yearend ranking 2020

E. Overall year result:

<http://www.creasus.de/ikarus/HECrules.pdf>

- The total score will be determined by addition of best **2 results** in each **category**.
- 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, otherwise a **Fly Off** in each ranking (category/ total) at the **HEC** final must solve the tie.
- In case of not possible to run a fly off the next best result will be chosen, otherwise the lowest sum of place numbers (of HEC contestants) will be taken (example see Appendix 3).

HEC ranking	HEC - S	HEC - C	HEC - B	HEC - O	HEC total
Yearend ranking	✓	✓	✓	✗	✓
Basis	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
	to the HEC final Fly off after last HEC contest				

So HEC ranking is clear, easy to understand and the fascination goes on until seasonend to qualify still for the HEC Final.