

# FIH EURO Challenge 2014



© 120 sec is a MAX ☺

FIH EURO Challenge

© FIH flying makes fun ☺

2014

120 sec is a MAX ☺



 Most of the time changes are creating concerns ...  
but this also has a benefit, that it will think about 😊



any problem by running up to its  
recognition take three steps 😞😞😊



in the **first stage** it encounters **lack of understanding and rejection**



in the **second stage** it is **fight**



in the **third** it is regarded as **obvious**



Hopefully I can convince you about the **advantages**  
of **HEC** new rules to reach the visions and goals.



If not ... try **to accept** it and let us make **these**  
**new experiences** and **review** after 1-2 years.



# ... some personal words to you ☺

Dear freeflight friends,  
first I want to thank you for your cooperation, patience, comprehension in forward looking new set up of HEC rules. I take a lot of energy and lifeblood in this concept of vision, goals and rules in logical progression of last 3 years. I excuse myself for the too late timetable of setting up, but I'm sure, that the result will be the right steps for future of HEC. I hope by your commitment in fulfilling this HEC house with life by active support. From now on let us have fun together in flying fascinating HEC sportcontests and not in discussing rules.

Ansgar



**My dream  
for the rest of the year**

# Help to understand new **HEC** rules 2014



## Request to all **HEC** interested



- Please **read first the vision and goals of HEC 2020+** look on **HEC** website [www.creasus.de/ikarus/HECoverview.pdf](http://www.creasus.de/ikarus/HECoverview.pdf)
- Please **take time to read all carefully, sleep 1 night** and see the **positive thinks** → **Don't look for your personal or any small disadvantage** , due every coin has 2 sides. Look on the advantages and not the problems.
- Please speak in case of **open or unclear issues for you** with your friends and in case of **non receiving satisfactory** answer , don't hesitate to contact **your HEC** country coordinator **or** Godfather of region
- ↪ please send **your constructive feedback** about the vision, goals and new rules to [hec14freeflight@gmail.com](mailto:hec14freeflight@gmail.com)



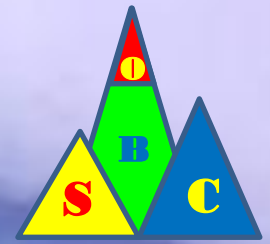
# **HEC is part of freeflight future and realize the wishes of lots of participants**

- ① **HEC** was **founded in 2011** to create something **new** with development in another direction as alternative of actual setup by leaving the old lanes with always **“quicker, higher, longer!”**
- ② **“The last generation”** should be **not the goal** as **outlook of Freeflight for the future** - we can do more!
- ③ **HEC** stands for **developing** the class **F1H** on a **lower**, but **future oriented level** than F1A with following his **own focus and content** with clear

 **VISION, MISSION AND GOALS** → 



# --> vision 2020<sup>+</sup>



More details look on [www.creasus.de/ikarus/HECoverview.pdf](http://www.creasus.de/ikarus/HECoverview.pdf)

VISION OF FUTURE

- ① “Less is more !”
- ② ”120 sec is a Max !”
- ③ “having fun by flying HEC !”
- ④ “flying on small fields is possible again !”
- ⑤ “launch in thermal and not only high !”
- ⑥ „achieve your goals w/o big effort !”

# HEC 2020+ goals for the future !

## 👍 Increasing the competitors in next years by

- stabilizing the number of **HEC** countries over 20
- reaching, that all countries will host 3 own **HEC** contests
- persuade all **F1H** flyers to take part in home countries HEC contests
- develop and educate new teacher and young flyer to **HEC**

## 👍 Bringing young, fresh blood to the flying fields by

- special juniorprogram in each country for winning new flyers by enforcing the activities of education for kids, schoolboys in FF
- program: every senior must teach a junior, before he stop FF
- to prevent die out of FF due loss of „older generation“ in next decade

## 👍 Creating a lot of happiness under the F1H flyers by

- running this series as fascinating and challenging with happy F1H flyers, especially „young and hope“ generation by creating attractive fun & fly events like HEC finals ,EUROPE COUPE Revival and ...
- **Speed up** enthusiasm and activities in all countries with **HEC**



# To reach this goals ...



it is time **now** and **necessary**, to bring the **HEC rules** in line with the **vision and goals** of this **HEC** freeflight series.

- ➡ We must develop this **HEC** series **as fascinating** and **challenging** for all **different competitor groups** according of their age, abilities, wishes and possibilities, so that **it makes fun** to take part and everybody **can be happy** in **HEC**
  - ➡ **HEC unite** a lot of people from young to old, from easy to complicate, balsa or carbon, old style or modern technique with different skills, but in same the same **freeflight spirit** 😊
  - ➡ **HEC** will be **flown** and **life** from **local contest** in **1 class F1H**
  - ➡ **HEC** will not divide F1H in subclasses, but only **record simple structured categories** for **HEC year ranking list**
- “all are flying in HEC together F1H models”**



# Specify your category and climb the **HEC** mountains only until the snowzone



F1H-O

Attention: snowzone

HEC-B

HEC-C

HEC-S



Height after launch



☺ we should plant now new **FFcrops**, which can be harvest in future ☺

# The floor of HEC 2014

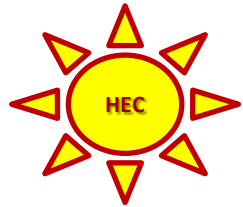
☺ decide yourself, in „which floor“ you like to fly ☺

Professional

F1H - O (open)



Who is king of HEC ?



Clear restriction for HEC categories:

irreversible functions and no Flapper, no LDA<sup>2</sup>, no FSCW<sup>3</sup>



Experts

**HEC - B (Bunt)**



Circle Tow with bunt

Advanced

**HEC - C (circle)**



Circle towhook no bunt

Basic

**HEC - S (straight)**



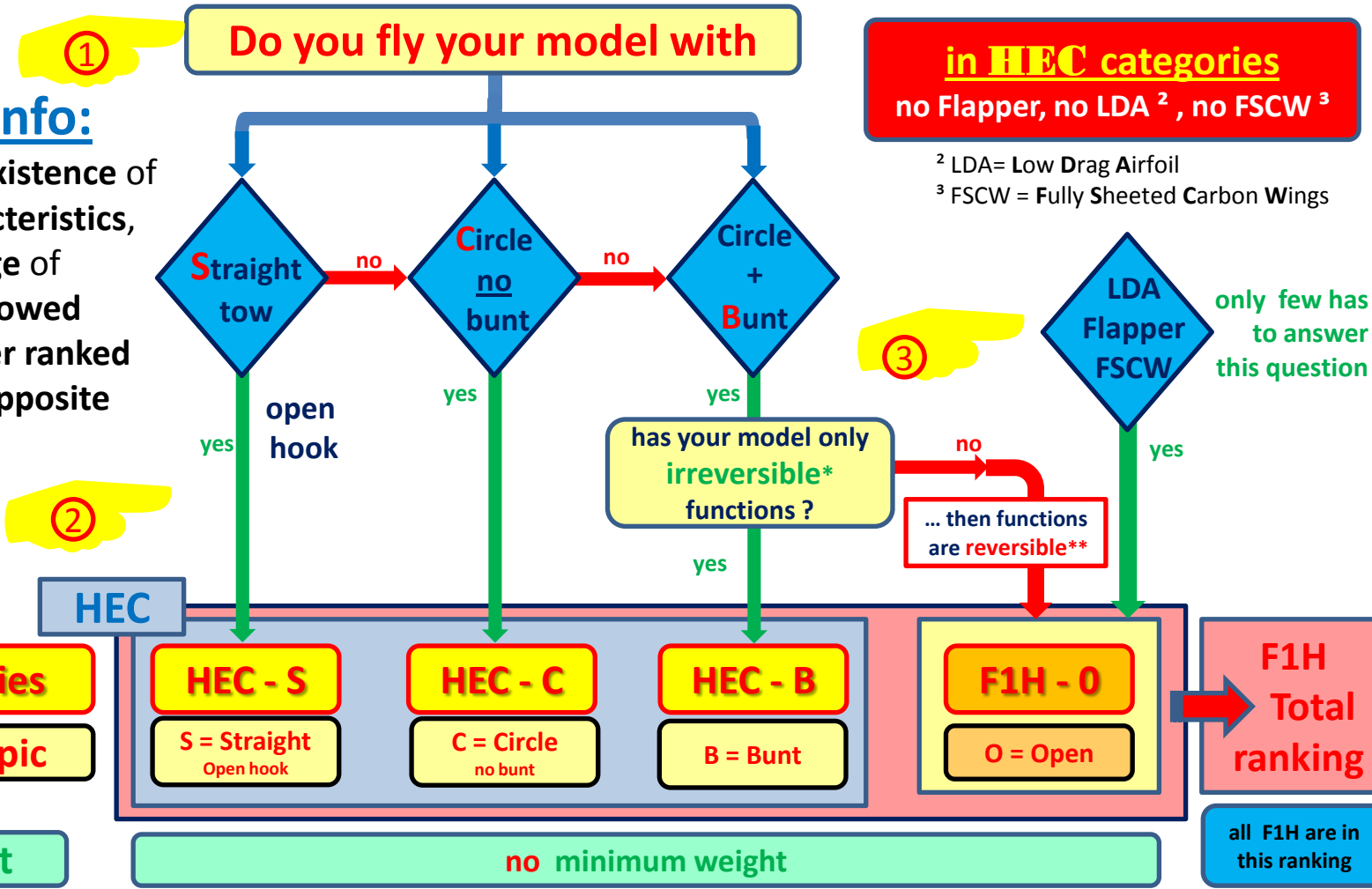
Straight towhook with open hook

# find your category with 3 simple questions !

you as athletes are responsible for following the rules and right registration !

**new**  
**important info:**

**Deciding** is the existence of the **model characteristics**, not only the **usage** of any parts. It is **allowed** to fly with a **lower ranked** model, but **not opposite**



**in HEC categories**  
no Flapper, no LDA <sup>2</sup>, no FSCW <sup>3</sup>

<sup>2</sup> LDA= Low Drag Airfoil  
<sup>3</sup> FSCW = Fully Sheeted Carbon Wings

only few has to answer this question

**Categories**  
**Main topic**

**HEC - S**  
S = Straight  
Open hook

**HEC - C**  
C = Circle  
no bunt

**HEC - B**  
B = Bunt

**F1H - 0**  
O = Open

**F1H Total ranking**

**weight**

**no minimum weight**

all F1H are in this ranking

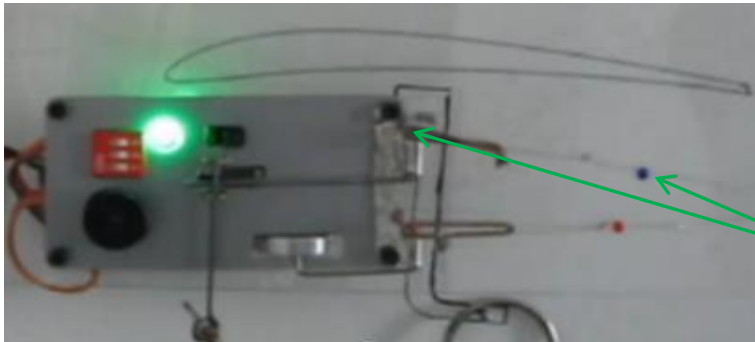
\* **irreversible** → after release of lines from timer/ servo no connection any more  
\*\* **reversible** → lines are fixed on timer/ servo and cannot release, so possible to move several times

# HEC rules 2014 - irreversible functions

has your model only **irreversible\*** functions ?

\* **irreversible** → after release of lines from timer/ servo no connection any more

① Ready to fly, lines hooked on timer/ servo

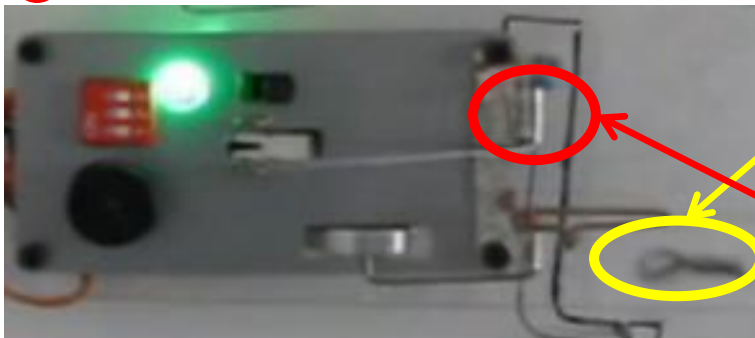


example for **irreversible functions**

[www.youtube.com/watch?v=RJolkalfhVg](http://www.youtube.com/watch?v=RJolkalfhVg)

line is attached to the timer/ servo

② Release of lines from timer/ servo



1. line is released by the timer/ servo and planned function is operating

2. After the release of the lines is **no** further move of function possible

# process of entering new 2014 HEC categories

## 1. Recording of Status Quo of model type upfront

will be made for **all competitors in HEC 2013** by questionnaire mail to **all sportsmen** by the **HEC country coordinator/ volunteers** or **HEC board**

## 2. Registration at a HEC contest

**Every sportsman is responsible himself** for making the right **registration** of his **HEC** category **at a contest**

**Notice:** It is allowed to fly with a **lower ranked** model, but **not opposite**

→ **please help each other explaining the new HEC categories and transition into new HEC rules by teaching each other**



# Help to understand new **HEC** rules 2014

Info to all HEC organizers and sportsmen

**Don't be afraid of this new HEC rules !**

**It help you and us to develop F1H in the right direction!**



- ❖ Do not be **panic** - it is nothing is impossible 😊
- ❖ You can **do everything**, if you like **HEC** decide it!
- ❖ and **use** as in normal life **common sense** 😊😊😊

- ⊗ you as **active F1H flyer** of last year receive soon a questionnaire and all infos to decide the categories, you intend to fly in 2014
- ⊗ you as **contest organizer** receive intime **before your contest** the **preliminary list with all starter of your and neighbour countries** by sportsman **self evaluated** model typ and categories intended to fly
- ⊗ this is as prework a help, that sportsman be on mind in this matter but finally the registration at a contest is deciding

↪ **please spread the new HEC rules 2014 to all friends, who intend to fly a HEC contest in 2014 and speak about**

# HEC - quick overview

in 2013 F1H - E

## model typ HEC - C

for advanced sportsmen

start your model and look for thermal by circle tow w/o Bunt  
< 65m height after launch



## model typ HEC - S

for starter in Freeflight

Open hook

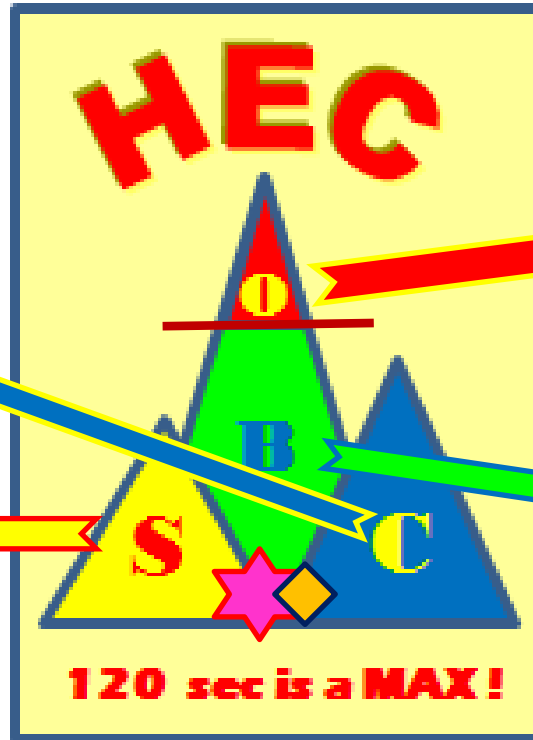
Wait on startline for thermal and start your model



straight up w/o circle



50 -52m height after launch



# HEC

O

B

S

C

120 sec is a MAX!

in 2013 F1H

## model typ F1H - O

for professional sportsmen  
open category



also recommended

## model typ HEC - B

for experts in Freeflight  
irreversible\* functions



look for thermal by circle tow,  
start by Bunt and reaching  
height of <75m after launch

only allowed F1H models  
with irreversible functions



in 3 **HEC categories**

Irreversible\* → after release of lines  
from timer/ servo no connection any more

## HEC categories and ranking

2013 ranking	reachable height	Sportsman ranking	model type	shortly content	2014 ranking
F1H	>= 75 m	Professional	F1H - O	Open	F1H - O
	< 75 m	Expert	HEC - B	Bunt	HEC - B
F1H - E	< 65 m	Advanced	HEC - C	Circle	HEC - C
	< 52 m	Basic	HEC - S	Straight	HEC - S
					F1H total

no Flapper, LDA, FSCW



in **HEC categories**  
recommended also in F1H-O

LDA= Low Drag Airfoil

FSCW = Fully Sheeted Carbon Wings

# for your information

if you like to understand

more background  
of this rule changes,  
go on in reading first



the visions and goals [www.creasus.de/ikarus/HECoverview.pdf](http://www.creasus.de/ikarus/HECoverview.pdf)

... and then next slides !



# Background of decision criterium for HEC categories in 1 class F1H



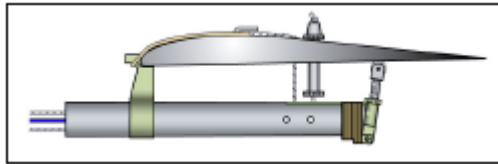
The main difference in **freeflight performance** in non thermal is the **height**, where you begin to start flying after the launch.

Generally it's a big difference and deciding for the **success** in FF,

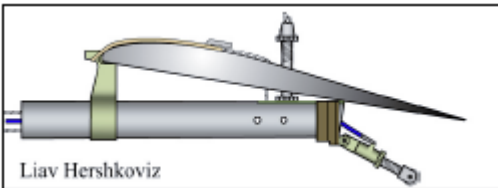
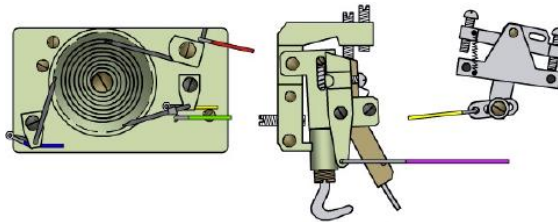
- if you wait with a **straight towhook** model on the ground and must decide, when you go in the air and can only run forward or
- if you go up in the air, wait for thermal by **circling** and making after launch only a small win of height with a **zoom start** to the side (w/o bunt) - let me say to 50 - 65m or
- if you make a **bunt start** to 70 - 75m or
- reach with **Flapper, LDA<sup>2</sup>, FSCW<sup>3</sup>** heights between 80 - 110m.

**That's all lead after long discussion to following decision in building **HEC** categories !**

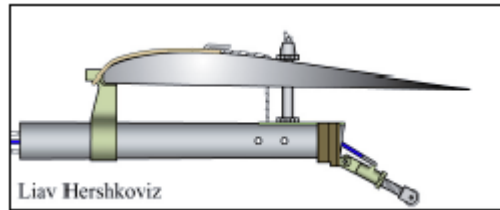
# HEC rules 2014 - irreversible Bunt



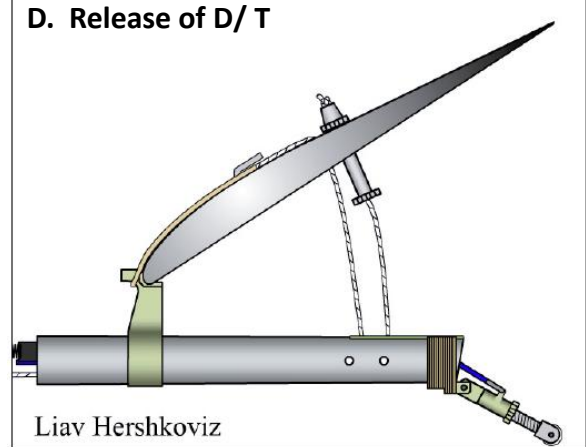
A. Towing with more incidence



B. **1<sup>st</sup> Bunt function** - tailplane goes down and model raise up straight



C. **2<sup>nd</sup> Bunt function** - tailplane go up again and model went in normal flight position with less incidence than A. during towing of the model



Schema: Liav Hershkoviz  
[www.air-rishon.co.il/flash/F1A.swf](http://www.air-rishon.co.il/flash/F1A.swf)

A classic bunt system need 2 **irreversible functions** and works 😊  
all other modern systems by using **reversible functions** through  
electronical servo technics increase complexity and possibility  
of gaining more flying comfort and performance --> **F1H - O**

There exist a lot of other **challenges** and **possibilities**  
to **develop new technique** and **optimize F1H models** !



# HEC rules 2014 - self restriction

Please **don't fly Flapper, LDA, FSCW** in **HEC**

All sportsmen are invited to follow  
the request of HEC Board as a **self restriction !**

For sure, you will ask you: **How to control this?**

This rule is not made for contest directors

This is a rule for you and you as sportsman!

our task: to make HEC as **fascinating** and **challenging** as possible  
and not to have same development like F1A in few years.

**please follow it, then no control from CD is necessary!**

**Everybody know it, but as a short description for you:**

**Flapper** are wings with variable camber of the airfoil

**LDA** are Low Drag Airfoils with first time using or development in FF after 2007

**FSCW** Fully Sheeted Carbon Wings are covered complete with carbon



☺ 120 sec is a MAX! ☺

<b>F 1 H</b>	<b>HEC contest will be still flow in one class F1H</b>							
	<b>but different categories only for HEC total ranking</b>							
	All F1H sportsmen are invited to follow the <b>request of HEC Board</b> as <b>self restriction</b> : no Flapper, no LDA* airfoil, no FSCW**							
	☞ this request is mandatory in all HEC categories, but <b>required</b> also in F1H - O !!!							
	<b>2014 HEC categories</b>				<b>model characteristics</b>			
2013 categories	reachable height	Sports-man ranking	model type	shortly content	circle tow	Bunt	function	weight
F1H	>= 75 m	Professional	F1H - O	Open	a	a	reversible	in HEC
	< 75 m	Expert	HEC - B	Bunt	a	a	irreversible <sup>2</sup>	no minimum weight anymore
F1H-E	< 65 m	Advanced	HEC - C	Circle	a	na		
	< 52 m	Basic	HEC - S	Straight	na	na	open hook	
<b>planned project in future</b>				in each country national ranking for starter as Entry				

a = allowed	na = not allowed	restrictions
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\* LDA are Low Drag Airfoils with first time using or development in Freeflight after 2007

\*\* FSCW Fully Sheeted Carbon Wings are covered complete with carbon

<sup>2</sup> irreversible → after release of lines from timer/ servo no connection any more

# HEC 2014 - Next preparation steps

## ① info mail to all

- ➔ country coordinator (list s. next side)
- ➔ F1H sportsmen of last year
- ➔ interested freeflight persons



## ② Preselection of model type/ category by sportsmen

## ③ Info to all HEC contest organizers with giving info and practical help

➔ Please help to spread the info to all 😊

# HEC country coordinator 2014

			Country coordinator/ Godfather region	
Region	Country	kontakt person	mailadress	godfather region
HEC Koordinator		Ansgar Nüttgens	<a href="mailto:hec14freeflight@gmail.com">hec14freeflight@gmail.com</a>	
Schedule coordinator		Per Findahl	<a href="mailto:per.findahl@gmail.com">per.findahl@gmail.com</a>	
Head of results		Daniel Petcu	<a href="mailto:petcudan55@yahoo.com">petcudan55@yahoo.com</a>	
West/ Middle EUROPE	GBR	Gary Madelin	<a href="mailto:G.Madelin@gmail.com">G.Madelin@gmail.com</a>	Gary Madelin
	GER	Uwe Rusch	<a href="mailto:uwerusch@gmx.de">uwerusch@gmx.de</a>	Gary Madelin
	SUI	Walter Eggimann	<a href="mailto:walter.eggimann@belponline.de">walter.eggimann@belponline.de</a>	Gary Madelin
	FRA	Myriam Morandini	<a href="mailto:mimiassist@club-internet.fr">mimiassist@club-internet.fr</a>	Gary Madelin
	CZE	Michal Chuboda	<a href="mailto:chudobamichal@seznam.cz">chudobamichal@seznam.cz</a>	Gary Madelin
	POL	Piotr Szymanski	<a href="mailto:modelepiotrek@poczta.onet.pl">modelepiotrek@poczta.onet.pl</a>	Gary Madelin
North EUROPE	SWE	Per Findahl	<a href="mailto:per.findahl@gmail.com">per.findahl@gmail.com</a>	Per Findahl
	NOR	Atle Klungrehaug	<a href="mailto:aklark@online.no">aklark@online.no</a>	Per Findahl
	FIN	Tapio Linkosalo	<a href="mailto:Tapio.Linkosalo@iki.fi">Tapio.Linkosalo@iki.fi</a>	Per Findahl
South/ Middle EUROPE	SLO	Bogdan Lemut	<a href="mailto:bogdan.lemut@gmail.com">bogdan.lemut@gmail.com</a>	Bogdan Lemut
	CRO	Zoran Zechner	<a href="mailto:zoran.zechner@sk.t-com.hr">zoran.zechner@sk.t-com.hr</a>	Bogdan Lemut
	BIH	Mirsad Kapetanovic	<a href="mailto:mkirce@bih.net.ba">mkirce@bih.net.ba</a>	Bogdan Lemut
	MAC	Zdravko Todoroski	<a href="mailto:zdravkot@t-home.mk">zdravkot@t-home.mk</a>	Bogdan Lemut
	BUL	Valentin Savov	<a href="mailto:valio@dir.bg">valio@dir.bg</a>	Bogdan Lemut
	ITA	Fabrizio Ceccarini	<a href="mailto:f_ceccarini@tin.it">f_ceccarini@tin.it</a>	Bogdan Lemut
East EUROPE	HUN	Ferenc Kerner	<a href="mailto:ferenc.kerner@herend.com">ferenc.kerner@herend.com</a>	Ferenc Kerner
	ROU	Istvan Kiss	<a href="mailto:tanulokhaza@hrline.ro">tanulokhaza@hrline.ro</a>	Ferenc Kerner
	SVK	Gabi Domokova	<a href="mailto:gabika1988@hotmail.com">gabika1988@hotmail.com</a>	Ferenc Kerner
	UKR	Vasily Beschasny	<a href="mailto:beschasny_f1a_nordic@yahoo.com">beschasny_f1a_nordic@yahoo.com</a>	Ferenc Kerner
	SRB	Gabor Bockovic	<a href="mailto:g.bockovic@yahoo.com">g.bockovic@yahoo.com</a>	Ferenc Kerner

## ② Preselection of model type by sportsmen

- in next weeks **all F1H sportsmen of last years** will be **informed** about new **HEC 2014** by country coordinator
- They will be **requested** by personal **mail** or through trainer/ club or by country HEC coordinator to preselect **the category** they intend to **fly** in 2014
- ➔ **all flyers have clear view of own model typ before the contest**  
90% are fixed from **last year categories**, especially juniors
- **only new flyer** in this season and perhaps some **changer** from preliminary list has **to select/ correct** their flown model type/ categories on the flying field at registration
- ➔ **This prevent trouble at HEC contests for CD/organizers**
- ➔ **Please help by own information and cooperation in running HEC contest in positive atmosphere and please not looking problems, where no exist !**





# next steps for sportsman 2014

## ① Preselection of my model type/ category

in 2013	F1H - E		F1H	
new 2014	HEC - S	HEC - C	HEC - B	F1H - O
Abkürzung dto. HEC	S = Straight	C = circle	B = Bunt	O = open
start of model	straight tow	circle tow	circle tow	
easy, due visible	open hook	no bunt	bunt	bunt
			irreversible <sup>2</sup>	reversible

### important info for registration:

**Deciding** for the model category is the **existence** of the **model characteristics**, not only the **usage** of any parts.

## ② Send your country coordinator a mail

- with your personal dates
  - ⇒ prename, name, year of birth
  - ⇒ club, FAI number and/ or national number
  - ⇒ registration of intended category in 2014
- with open issues und questions

If you have models with different category:

1. It is **allowed** to fly with a **lower ranked model**, but **not opposite!**
2. It is **HEC rule conform** and **possible** to fly in **different categories** in **1 contest**, but this result will be taken only in **flown**, not in upgrade category 😊



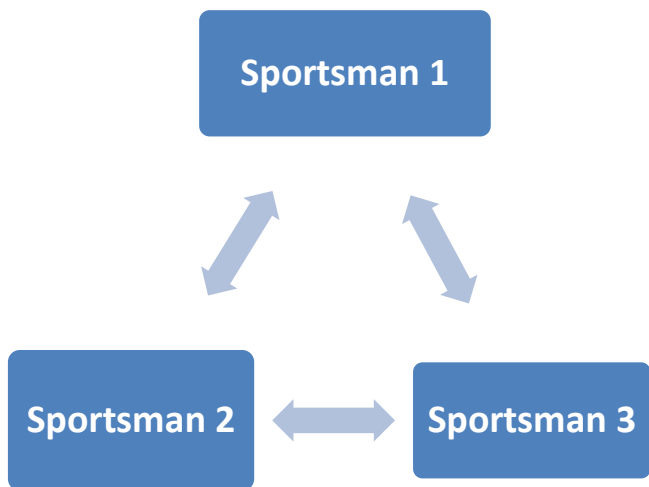


# HEC Team Challenge 2014

build a strong **HEC country team**

existing of **3 sportsmen**

Combine the **categories** in the team so, that the addition of the team has not more than **6 pts**



possible combinations								
	<u>model typ</u>	<u>pts</u>	<u>model typ</u>	<u>pts</u>	<u>model typ</u>	<u>pts</u>	<u>model typ</u>	<u>pts</u>
sportsman 1	HEC - S	1	HEC - S	1	HEC - S	1	HEC - S	1
sportsman 2	HEC - S	1	HEC - S	1	HEC - S	1	HEC - S	1
sportsman 3	HEC - S	1	HEC - C	2	HEC - B	3	F1H - O	4
		3		4		5		6
sportsman 1	HEC - S	1	HEC - S	1	HEC - S	1		
sportsman 2	HEC - C	2	HEC - C	2	HEC - S	1		
sportsman 3	HEC - C	2	HEC - B	3	F1H - O	4		
		5		6		6		

model typ	pts
HEC - S	1
HEC - C	2
HEC - B	3
F1H - O	4



# HEC Junior Team 2014

build a strong **HEC Junior team**

existing of **3 junior**  
**from 1 country**

**2 junior must fly F1H-S**

Junior 1



Junior 2



Junior 3

Results will be taken  
from total results

## Registration

by mail until May 9<sup>th</sup>  
to Daniel Petcu

[Petcudan55@yahoo.com](mailto:Petcudan55@yahoo.com)

and paying 3 € fees  
anywhere on the field 😊

register your teams → **HEC** teamflying make a lot of fun !

# HEC Team challenge

# HEC awards

“glory and honour”

2014



1. Results will be published on

[www.creasus.de/ikarus/HECresults.pdf](http://www.creasus.de/ikarus/HECresults.pdf)

2. price giving ceremony will be held at the banquet of final contest

**Request for HEC donation**  
to finance the cost of a HEC season (website, prices) we need donations from you, please mail to HEC Board

[HEC14freeflight@gmail.com](mailto:HEC14freeflight@gmail.com)



→The main task of this HEC is to have fun, enjoy the glance of Freeflight, support the idea of generating young fresh blood in Freeflight 😊

# financing the HEC season

The HEC Board decide to charge no registration fee for contests like FAI , but work on covering the season costs by

## 1. collecting donations from individuals

publishing the donator on the HEC web site

## 2. finding sponsor(s)

necessary to meet the right person in the right moment

→ sponsorship for 2014 HEC cost by Mirsad Kapetanovic (BIH)

Mirsad - thanks a lot 😊

→ sponsorship for 2015 ff. HEC cost by ???

All volunteers of donations are requested to send an info to the Head of HEC Board

**For your info and intime planning**

**build in 2014 a strong National Team of your country**

See you at next

# **3- EUROPA COUPE Revival** **Nationalteam in F1G, F1H**



**in ILBESHEIM**

**on August, 21th - 23rd 2015**