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Leader of Section M

Ladies and Gentlemen.

In January 2009 we introduced in Section M new types of batteries LiPo and LiFe. Season 2009 was supposed to be for tests and trials of new types of batteries and had to help in developing new rules for Section M in 2010.

Please read the questionnaire below and after its completion send to the address [marian@modelteam.com.pl](mailto:marian@modelteam.com.pl) until 30/11/2009.

In your suggestions, please take into account not only sports factors but also economic and availability of equipment.

At the moment the project from Belgian colleagues (with some modifications) ensures the ability to use equipment from previous years as well as access to large amounts of new equipment and enables the use of different configurations of the equipment.

Taking into account the economic factor (which affects the number of competing) please do not exceed in classes ECO, MONO and HYDRO total quantity of 6 cells of LiPo batteries.

**I mini ECO**

The year of the introduction

- 1 LiPo 2S 110g or 3S LiFe A123 18650 or 2S LiFe A123 26650
- 2 LiPo 2-3S 110g or 3S LiFe 18650 or 2S LiFe 26650
- 3 Other.....

valid at the moment		<input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>

- 1 Run time 5 min
- 2 Run time 6 min
- 3 Other.....

valid at the moment		<input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>

**II ECO, MONO 1, HYDRO 1**

- 1 LiPo 280g 2S 1-2P or 6x LiFe A123 26650 3S2P
- 2 LiPo 280g 2-3S 1-2P or 6x LiFe 26650 2/3S 2/3P
- 3 Other.....

valid at the moment		<input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>

**III MONO 2, HYDRO 2**

- 1 LiPo 560g 4S 1-2P or 12x LiFe A123 26650 6S2P
- 2 LiPo 560g 4-6S 1-2P or 12x LiFe 26650 4/6S 2/3P
- 3 Other.....

valid at the moment		<input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>
2010	<input type="checkbox"/>	2011 <input type="checkbox"/>
	<input type="checkbox"/>	2011 <input type="checkbox"/>

**IV FSR-E**

- 1 LiPo 840g or 18x LiFe A123 26650; max 43V
- 2 LiPo 840g max 9S1/2P or 18x LiFe 26650 max 43V
- 3 Other.....

	valid at the moment		
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>

**V F1E-1kg**

- 1 LiPo or LiFe A123; max 43V
- 2 Other.....

	valid at the moment		
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>

**VI F1E+1kg**

- 1 LiPo max 1400g 1/2P or max 24x LiFe A123; max 43V
- 2 Other.....

	valid at the moment		
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>

**VII F1V**

- 1 Any fuel
- 2 Max 25% NITRO
- 3 Other.....

	valid at the moment		
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>

**VIII F3E**

- 1 LiPo max 1400g 1/2P or max 24x LiFe A123; max 43V
- 2 LiPo max 560g 6S or max 12x LiFe 2/3P max 43V
- 3 Other.....

	valid at the moment		
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>
2010	<input type="checkbox"/>	2011	<input type="checkbox"/>

**Other proposals and the year of the introduction:**

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Mark the chosen position with the sign **X** near the proposed year of the introduction .  
Please send the completed inquiry form to address: [marian@modelteam.com.pl](mailto:marian@modelteam.com.pl)

## Rules 2009

### Mini ECO:

Length hull max – 430 mm, weight min – 450g.

-NiMH : maximum cells: 7; size 2/3AF;

-LiPo : maximum set weight, including all firmly connected parts: max 110 g, (2s1p or 2s2p).

-LiFe : maximum number of cells: 3 only A123 size 18650 or 2 size 26650.

### ECO, TEAM, MONO 1, HYDRO 1:

-NiMH : maximum cells: 7; size Sub C;

-LiPo : maximum set weight, including all firmly connected parts: max 280 g, (2s1p or 2s2p).

-LiFe : maximum number of cells: 6; only A123 size 26650 - (max: 3s2p)

### MONO 2, HYDRO 2:

-NiMH : maximum number of cells: 14 (min 8 cells); size Sub C;

-LiPo : maximum set weight, including all firmly connected parts: 560 g (min 281g), (4s1p or 4s2p).

-LiFe : maximum number of cells: 12 (min 8 cells); only A123 size 26650 - max 6s2p.

### FSR E:

-NiMh: maximum 21 cells sized Sub C per run; replacement of individual driving sets in the course of the driving time is allowed (e.g. 3 times 7 batteries)

-LiPo: maximum total weight of cells per run, including all firmly connected parts: 840g; replacement of individual driving sets in the course of the driving time is not allowed!  
maximum total voltage of sets: 43 V.

-LiFe: maximum 18 cells, only A123 size 26650; replacement of individual driving sets in the course of the driving time is allowed. (e.g. 3 times 6 batteries),  
maximum total voltage of sets: 43 V

### F1E-1kg;

-NiMh: maximum voltage of the driving source: 43 V

-LiPo: maximum voltage of the driving source: 43 V

-LiFe: maximum voltage of the driving source: 43 V

### F1E + 1kg, F3E;

-NiMh: maximum number of cells: 30; maximum voltage of the driving source: 43 V

-LiPo: maximum set weight, including all firmly connected parts: 1400 g, maximum voltage of the driving source: 43 V

-LiFe : maximum number of cells: 24, maximum voltage of the driving source: 43 V

### F1V;

- Any fuel

## Proposals 2010 (project)

### Mini ECO:

Length hull max – 430 mm, weight min – 450g.

-NiMH : maximum cells: 7; size 2/3AF;

-LiPo : max 110 g, (2/3s1p, 2/3s2p).

-LiFe : maximum number of cells: 3 size 18650 or 2 size 26650.

### ECO, MONO 1, HYDRO 1:

-NiMH : maximum cells: 7; size Sub C;

-LiPo : maximum weight 280 g, (2/3s1p or 2/3s2p).

-LiFe : maximum number of cells: 6; size 26650 - (2s3p or 3s2p )

### MONO 2, HYDRO 2:

-NiMH : maximum number of cells: 14 (min 8 cells); size Sub C;

-LiPo : max 560 g (min 281g), (4/6s1p or 4/6s2p).

-LiFe : maximum number of cells: 12 (min 8 cells); size 26650 – 4/6s2p or 4s3p

### FSR E:

-NiMh: maximum 21 cells sized Sub C per run; replacement of individual driving sets in the course of the driving time is allowed (e.g. 3 times 7 batteries)

-LiPo: maximum total weight of cells per run, including all firmly connected parts: 840g; max 9s, replacement of individual driving sets in the course of the driving time is not allowed!

-LiFe: maximum 18 cells, size 26650; max 9s replacement of individual driving sets in the course of the driving time is allowed. (e.g. 3 times 6 batteries),

### F1E-1kg;

-NiMh: maximum voltage of the driving source: 43 V

-LiPo: maximum voltage of the driving source: 43 V

-LiFe: maximum voltage of the driving source: 43 V

### F1E + 1kg;

-NiMh: maximum number of cells: 30; maximum voltage of the driving source: 43 V

-LiPo: maximum set weight, including all firmly connected parts: 1400 g, maximum voltage of the driving source: 43 V

-LiFe : maximum number of cells: 24, maximum voltage of the driving source: 43 V

### F3E:

-NiMH : maximum number of cells: max 14; size Sub C;

-LiPo : maximum set weight, including all firmly connected parts: 560 g max 6s1/2p

-LiFe : maximum number of cells: max 12 cells 2/3p ; size 26650

### F1V;

- Any fuel max 25% Nitro