



**Agenda ELECTRIC SECTIONS – GENERAL.**

**SATURDAY 7<sup>th</sup> of November 2020.**

**1. CHAIRMAN'S WELCOME Mrs. Chris Hardisty & Paul Worsley**

The Electric Chairmen opened the meeting at

**2. APOLOGIES FOR ABSENCE – ELECTRIC GENERAL**

Apologies have been received from:

Member Countries present. Section subscription.

COUNTRY	PRESENT	SECTION SUBSCR
AUSTRIA		
BELARUS		
BELGIUM		
BULGARIA		
CROATIA		
CZECH REP.		
DENMARK		
ESTONIA		
FINLAND		
FRANCE		
GERMANY		
GREAT BRITAIN		
GREECE		
HUNGARY		
IRELAND		
ITALY		
LUXEMBOURG		
MONACO		
NETHERLANDS		
NORWAY		
POLAND		
PORTUGAL		
ROMANIA		
RUSSIA		
SLOVAK REP.		
SLOVENIA		
SPAIN		
SWEDEN		
SWITZERLAND		
TURKEY		
<b>TOTAL</b>		

Maximum votes for Elec. Sections = Number of Federations represented to vote =

Other persons present:

### 3. MINUTES OF 2019 SECTION MEETING

November 2019 – Brussels, Belgium

Matters arising from the minutes:

The minutes were checked and accepted as written at the AGM 2019

The following person was elected to check the minutes of this year:

### 4. CORRESPONDENCE RECEIVED

### 5. RULE PROPOSALS (Does / May affect all Electric Sections)

**Note: The EFRA Committee has studied all received proposals and has come to an opinion over each one, The EFRA Section Chairman will inform the floor of such positions.**

#### **APPENDIX 4 LITHIUM BATTERIES FOR ALL ELECTRIC CLASSES - TECHNICAL, RACE PROCEDURES & HOMOLOGATION TECHNICAL, RACE PROCEDURES & HOMOLOGATION LITHIUM BATTERIES FOR ALL ELECTRIC CLASSES - TECHNICAL, RACE PROCEDURES & HOMOLOGATION APPENDIX**

#### **Current Rule:**

4.8.

If the stator cannot be easily removed from the assembled motor for technical verification of sizes or construction, then the Can/Sleeve must have: -

(a) Minimum two pairs of slots or holes (each exposing 3mm of stator ends minimum), in line with the centre-line of the stator, that will allow measurement of the stator length.

(b) Slots or holes to allow visual appraisal of the laminates used in the stator.

Rule to be applied to any new range of motor starting 01.01.12. Existing approved motors without these features are not excluded.

#### **Proposal**

If the stator cannot be easily removed from the assembled motor for technical verification of sizes or construction, then the Can/Sleeve must have: -

(a) Minimum two pairs of slots or holes (each exposing 3mm of stator ends minimum), in line with the centre-line of the stator, that will allow measurement of the stator length.

(b) Slots or holes to allow visual appraisal of the laminates used in the stator.

Rule to be applied to any new range of motor starting 01.01.12. **Starting 01.03.21 , any new motor submitted for homologation must have a minimum of one full length slot in the motor casing, in line with the center-line of the stator, to allow all laminates to be viewed. This slot(s) must have length and width dimensions sufficient to allow stator length measurement using conventional measuring tools.** Existing approved motors without these features are not excluded.

#### **Remarks**

The amendment will make it a lot easier for checks at Tech. ROAR already have this rule and many manufacturers already include this feature. The change does not apply to any existing motors, so there is no additional cost to competitors. The same amendment will be proposed to IFMAR.

**Proposed by: EFRA, Worsley Paul**

**Proposal Status:**

**Seconded by: .....  Not Seconded**

**The proposal:  Passed Unanimously  Passed with .... for, .... against and .... abstentions.**

**Rejected with .... for, .... against and .... abstentions.  Amended**

**Current Rule**

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4.12.

The Rotor: Shaft diameter where the pinion gear mounts must be 3.175mm.

Only one piece, two poles Neodymium bonded or sintered, or Ferrite magnetic rotors are permitted. The rotor will

be identified with the manufacturers name or logo and the unique part number. Applies to all rotors in new motors or new optional rotors starting from 1st. April 2015 onwards.

Magnet: Minimum length 23,0mm. Maximum 27,0mm. Magnet minimum diameter 12,0mm, maximum 15,5mm. not including any non-magnetic balancing aids.

### Proposal

The Rotor: Shaft diameter where the pinion gear mounts must be 3.175mm.

Only one piece, two poles Neodymium bonded or sintered, or Ferrite magnetic rotors are permitted. The rotor will be identified with the manufacturers name or logo and the unique part number. Applies to all rotors in new motors or new optional rotors starting from 1st. April 2015 onwards.

Starting 01.03.21, any new motor or new optional rotor submitted for homologation must have the unique part number of the rotor etched/stamped on the external flat area of the rotor shaft (where the pinion is located). This must be the listed part number as shown on the homologation list. Rotor sizes/dimensions are not acceptable.

Magnet: Minimum length 23,0mm. Maximum 27,0mm. Magnet minimum diameter 12,0mm, maximum 15,5mm. not including any non-magnetic balancing aids.

### Remarks

The amendment will make it a lot easier for checks at Tech. ROAR already have this rule and many manufacturers already include this feature. The amendment does not apply to any existing approved motors, so no additional cost to competitors. The same amendment will be proposed to IFMAR.

**Proposed by: EFRA, Worsley Paul**

**Proposal Status:**

**Seconded by: .....  Not Seconded**

**The proposal:  Passed Unanimously  Passed with .... for, .... against and .... abstentions.**

**Rejected with .... for, .... against and .... abstentions.  Amended**

**Current Rule**

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4.16.

The Rotor: Shaft diameter where the pinion gear mounts must be 3.175mm.

Only one piece, two pole Neodymium bonded or sintered, or Ferrite magnetic rotors are permitted.

The rotor will be identified with the manufacturer's name or logo and the unique rotor part number. Applies to all rotors in new motors or new optional rotors from 1st. April 2015 onwards.

Magnet length will be 25.00 +/- 1.00mm, not including any non-magnetic balancing aids. Magnet outside diameter will be 12.20/12.51mm (min./max.with no further tolerance) for the entire length of the magnet. The shaft outside diameter where the magnet is mounted will be 7.25mm +/- 0.15mm, with this diameter extending beyond the magnet to facilitate measurement.

From 01.11.2017 only one 'optional' rotor will be allowed for any range of new motor submitted (includes all wind Classes). Manufacturer to specify the optional rotor.

### Proposal

The Rotor: Shaft diameter where the pinion gear mounts must be 3.175mm.

Only one piece, two pole Neodymium bonded or sintered, or Ferrite magnetic rotors are permitted.

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Starting 01.03.21, any new motor or new optional rotor submitted for homologation must have the unique part number of the rotor etched/stamped on the external flat area of the rotor shaft (where the pinion is located). This must be the listed part number for the rotor as shown on the homologation list. Rotor sizes/dimensions are not acceptable.

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From 01.11.2017 only one 'optional' rotor will be allowed for any range of new motor submitted (includes all wind Classes). Manufacturer to specify the optional rotor.

### Remarks

This amendment will make it a lot easier for checks at Tech. ROAR already have this rule and many manufacturers already include this feature. The amendment does not apply to any existing approved motors, so no additional cost to competitors. The same amendment will be proposed to IFMAR.

**Proposed by: EFRA, Worsley Paul**

**Proposal Status:**

EFRA AGM 2020

Seconded by: ..... o Not Seconded

The proposal: o Passed Unanimously o Passed with .... for, .... against and .... abstentions.

o Rejected with .... for, .... against and .... abstentions. o Amended

## 6. ITEMS FOR GENERAL DISCUSSION.

The Section Chairmen thanked all participants for a constructive meeting, and being no further business the meeting was closed at

### MEETING TO CONTINUE WITH ELECTRIC OFF-ROAD SECTION MEETING.



**EFRA ANNUAL SECTION MEETING**  
7-8th of November 2020

## Agenda ELECTRIC - OFF-ROAD.

### 1. CHAIRMAN'S WELCOME

Mr Paul Worsley

The Electric Off-Road Chairman opened the meeting at 13:38

### 2. APOLOGIES FOR ABSENCE

Apologies have been received from: Ireland, Poland

COUNTRY	PRESENT	SECTION SUBSCR	REQUESTED:				Max33%
			EC	EC			
			Buggy 2wd	Buggy 4wd			%
AUSTRIA							
BELARUS							
BELGIUM							
BULGARIA							
CROATIA							
CZECH REP.							
DENMARK							
ESTONIA							
FINLAND							
FRANCE							
GERMANY							
GREAT BRITAIN							
GREECE							
HUNGARY							
IRELAND							
ITALY							
LUXEMBOURG							
MONACO							
NETHERLANDS							

NORWAY						
POLAND						
PORTUGAL						
ROMANIA						
RUSSIA						
SLOVAK REP.						
SLOVENIA						
SPAIN						
SWEDEN						
SWITZERLAND						
TURKEY						
		<b>TOTALS</b>				

**Allocations can be changed till January 21<sup>st</sup>. 2021.**

Maximum votes for Off-Road Section = . Number of Federations represented to vote =

Other persons present:

### 3. MINUTES OF 2019 SECTION MEETING

November 2019 –Brussels, Belgium:

Matters arising from the minutes:

The minutes were accepted as written at the AGM 2019.

The following person was elected to check the minutes of this year:

### 4. CORRESPONDENCE RECEIVED

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### 5. CHAIRMAN'S REPORT

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### 6. EC AND GP'S 2022/ 2021

No applications: All the already elected events are moving up one year.

#### Provisional Race calendar 2021

Year/Date	Alt. Date	Status	Country	Venue
2021 May 07-09		IR (maybe W/Up)	Great Britain	Nottinghamshire Retford(RHR)
2021 June 25-27		IR (maybe PR)	Belgium	Kampenhout
2021 June 28- July 03		EC	Great Britain	Nottinghamshire Retford(RHR)

#### Future Race calendar Championships

Year/Date	Alt. Date	Status	Country	Venue
2022		EC	Netherlands	Utrecht

#### Recommendation for 2023: Malmo Sweden

Nominated Tyres for the 1/10<sup>th</sup>. Off-Road EC 2021:

Rear – Schumacher Dart, compound Yellow, Part # U6826. Insert MC0005

4WD Front – Schumacher Dart, compound Yellow, Part # U6825. Insert MC0004

Allocations were made to each country as printed in the table form under item 2 on the agenda.

**All Federations MUST confirm their FINAL Allocation Numbers for each event to the relevant Section Chairman by 21<sup>st</sup>. January LATEST.**

## 7. RULE PROPOSALS.

**Note: The EFRA Committee has studied all received proposals and has come to an opinion over each one, The EFRA Section Chairman will inform the floor of such positions.**

## 8. ELECTION OF SECTION CHAIRMAN.

Due to the non-active season, all EFRA officers are willing to extend the position with one year.

## 9. ANY OTHER BUSINESS

## 10. ITEMS FOR GENERAL DISCUSSION.

The Section Chairman thanked all participants for a constructive meeting, and being no further business the meeting was closed at –

### MEETING TO CONTINUE WITH ELECTRIC TRACK SECTION MEETING.



**EFRA ANNUAL SECTION MEETING**

**7-8th of November 2020**

### Agenda ELECTRIC - TRACK.

#### 1. CHAIRMAN'S WELCOME

Mr Chris Hardisty

The Electric Track Chairman opened the meeting at

#### 2. APOLOGIES FOR ABSENCE

Apologies have been received from:

Member Countries presents, section subscription, allocations etc:

COUNTRY	PRESENT	SECTION SUBSCR		WC 1/10 Mod	EC 1/12 Mod	EC 1/12 Spec	EC 1/10 Mod	EC 1/10 Spec	F1
AUSTRIA									
BELARUS									
BELGIUM									
BULGARIA									
CROATIA									
CZECH REP.									

DENMARK									
ESTONIA									
FINLAND									
FRANCE									
GERMANY									
GREAT BRITAIN									
GREECE									
HUNGARY									
IRELAND									
ITALY									
LUXEMBOURG									
MONACO									
NETHERLANDS									
NORWAY									
POLAND									
PORTUGAL									
ROMANIA									
RUSSIA									
SLOVAK REP.									
SLOVENIA									
SPAIN									
SWEDEN									
SWITZERLAND									
TURKEY									
<b>TOTAL</b>									

Allocations can be changed till January 21<sup>st</sup>. 2020.

Maximum votes for Track Section =. Number of Federations represented to vote =

Other persons present:

### 3. MINUTES OF 2019 SECTION MEETING

November 2019 – Brussels, Belgium

Matters arising from the minutes:

The minutes were checked and accepted as written at the AGM 2019.

The following person was elected to check the minutes of this year: .

### 4. CORRESPONDENCE RECEIVED

. Any correspondences from the 2020 season.....

### 5. CHAIRMAN'S REPORT

A full report of the Season is presented by Section Chairmen

### 6. EC AND GP'S 2022/ 2021

No applications: All the already elected events are moving up one year.

#### Provisional Race calendar 2021

Year/ Date	Alt. Date	Status	Country	Venue
2021	TBC	EC 1/12	Netherlands	Sittard

2021	8 - 9 May	WC Warm up	Netherlands	Heemstede
2021	25-27 June	EC 1/10	Slovakia	Trencin
2021	21-24 July	WC 1/10	Netherlands	Heemstede

#### Future Race Calendar Championships

Year/Date	Alt. Date	Status	Country	Venue
2022		EC 1/12	Netherlands	Sittard
2022		EC 1/10	Germany	Turkheim

Tyres for the 1/10<sup>th</sup> Touring Car EC 2021: See Rules.

Allocations were made to each country as printed in the table form under item 2 on the agenda

## 7. ALLOCATIONS

Allocations were made to each country as printed in the table form under item 2 on the agenda.

**All Federations MUST confirm their FINAL Allocation Numbers for each event to the relevant Section Chairman by 21<sup>st</sup>. January LATEST**

## 8. RULE PROPOSALS

**Note: The EFRA Committee has studied all received proposals and has come to an opinion over each one, The EFRA Section Chairman will inform the floor of such positions.**

## 9. ELECTION OF SECTION CHAIRMAN.

Due to the non-active season, all EFRA officers are willing to extend the position with one year.

## 10. ANY OTHER BUSINESS

## 11. ITEMS FOR GENERAL DISCUSSION.

The Section Chairman thanked all participants for a constructive meeting, and being no further business the meeting was closed at