

13.0 Appendix B 190mm Electric Touring Cars

13.1 Classes

13.1.1 Touring Cars –4- wheel drive touring cars.

13.2 Track Layout

13.2.1 The track must be laid out so that there are no hidden areas when viewed from the rostrum.

13.2.2 Corner cutting must be discouraged by the placing of barriers of a suitable material which will cause damage to the cars hitting them. Corners are also to be of such construction that they will not trap the car.

13.2.3 The minimum track width is to be 2M, the straight will be minimum of 3M wide. The straight will be a minimum of 10M in length.

13.2.4 Marshalling points 1 to 8 will be clearly marked around the track. (Where possible all heats and finals should have 8 marshal's, heats may be ran with a minimum of 6 marshal's, who will be spread evenly around the track, at the race directors/referees direction. Finals must have 8 marshals.) Voluntary marshals must be capable of the task. Marshals must ensure that their marshalling point is free from distractions. (e.g. accepting / making phone calls, talking to spectators, eating / drinking etc.) Marshal's MUST NOT work on cars.

13.2.5 The start line for the heats shall have a further line marked 1M in front of it for the use in the adjudication if jump-starts.

13.2.6 For the finals, a grid shall be laid out in front of two lanes of 2M apart, the gap between each car should be 2M, if straight accommodates (***the full length of the straight should be used for the grid with at least a 1M gap from the back of car 1 to front of car 2 etc.***) Option will be given to the given to the pole position as start lane and cars will be alternated down the grid.

13.2.7 For the finals the first corner shall NOT be a hairpin.

13.4 Appearance

13.4.1 Commercially available 1/10th scale body shells as touring car racing as specified in the following list may be used.

13.4.2 All cars must make suitable arrangements for racing numbers to be displayed facing to the front and one side as directed by race control.

13.4.3 No car may be driven without a body shell being fitted at all times.

13.4.4 When initially entered in a meeting the body must be neatly finished and painted.

13.5 Body Shells

13.5.1 Only body shells as follows.

Honda Accord, Dodge Stratus, Opel Vectra, BMW 3-series, Ford Mondeo, Nissan Primera, Alfa Romeo 156, Chrysler 300M, Mercedes DTM2000, Volvo S60, Audi A4, Lexus IS200, Renault Laguna, Volvo S40, Volvo 850, Peugeot 406 or any suitable scale

saloon shell. No GT/ Nascar or Sports car shells allowed (i.e. Group C, Lola etc.).

13.6 Measurements

13.6.1 Width (including body shell) Max. 200mm, Min. 175mm

13.6.2 Length (including body and wing) Max. 460mm, Min. 360mm

13.6.3 Wheel base Max. 270mm, Min. 250mm

13.6.4 Wing cord Max. 40mm

13.6.5 Width of rear wing (inc. Endplates) Max. 185mm, Min. 125mm

13.6.6 Height of rear wing Max. 25mm

13.6.7 Height Max. 175mm, Min.120mm

13.6.8 Wing overhang (at rear) Max. 10mm

13.6.9 Wheel Diameter (excl. tyre bead) Max. 50mm , Min. 46mm.

13.6.10 Wheel width inc. bead Max. 26mm , Min. 18mm.

13.6.11 Tyre Diameter (when mounted on wheels) Max. 67mm, Min. 52mm.

13.6.12 Tyre width (across sidewalls)-rubber Max. 27mm.

13.7 Weight

13.7.1 Minimum weight for electric touring cars is 1500g (ready to race and excluding lap counting equipment).

13.8 Tyres

13.8.1 The Control tires for all National Championship events are:

Take Off CS27

Pit Shimizu D20 (21mm)

13.8.2 There is no concept of a 'wet round', i.e. either control tyre may be used at any time. NO TYRE ADDITIVES ARE ALLOWED AT ANY TIME AND ON ANY TYRES

13.8.3 The use of any type of tyre warmers is not allowed.

13.9 Motors

13.9.1 No minimum motor limit for 1/10th Electric on Road events(modified class). Motors must be EFRA approved with a maximum RRP as set by the current BRCA price limit. At present modified motors will have a maximum price of £58 (or euro equivalent).

13.9.2 Rare earth magnets are not allowed.

13.9.3 Super stock class to run 19t BRCA legal, '19 turn spec motors'.

13.10 Batteries

13.10.1 Drive batteries must conform to the following; the cars will be driven by a maximum of six rechargeable batteries. Only Sub C sized cells are approved. The size of the individual cell is 23mm in diameter and 43mm in length. The nominal voltage rated as 1.2 volts. All cells must have their manufacturers heat-shrink substantially intact.

13.10.2 Only rechargeable cells approved by EFRA are allowed.

13.10.3 Batteries may not be charged during a race.

13.10.4 Batteries will have a maximum price of £61.00 (or euro equivalent).

13.11 Heats & Finals

13.11.1 The start of each round should be a maximum of 1 hour apart in the event of a round finishing earlier than this a break must be allowed.

13.11.2 Heats & finals shall be of 5-mins. Duration plus the finishing time for the last lap completed after the 5-mins. Duration.

13.11.3 For heats a minimum of one second staggered start procedure shall be used. In round 1 number order shall be used to determine start order, in subsequent rounds overall FTQ shall be used to determine start order.

13.11.4 For finals a line start procedure shall be used with cars in the appropriate grid formation as given in the track layout section.

13.12 Points & Scoring

13.12.1 Points shall be awarded for qualifying and final result, the result for that event shall be deemed to be total score of the final and qualifying points. Points start at 100 and work back in sequence. E.g....100, 99, 98, etc.