

## AUTO TEST APPENDIX

### MOTORKHANA STANDING REGULATIONS

### INCLUDING MOTORSPORT AUSTRALIA MOTORKHANA CHAMPIONSHIP REGULATIONS

Modified Article	Date of Application	Date of Publication

**A capitalised and italicised word in this document is defined in the FIA International Sporting Code (Code) or the National Competition Rules (NCR), including their Appendices.**

**Any HEADING is for reference only and has no regulatory effect.**

#### 1. AUTHORITY

- 1.1 A *Motorkhana Event* will be held under the FIA International Sporting Code including Appendices, the National Competition Rules of *Motorsport Australia*, these *Standing Regulations*, and the *Supplementary Regulations* for the *Event*.
- 1.2 Refer Attachment A below for further conditions specifically for the Motorsport Australia Motorkhana Championship.
- 1.3 Each State Council may authorise a State Motorkhana Championship provided it complies with these *Standing Regulations*.

#### 2. INTRODUCTION

A *Motorkhana* is a *Competition* where the object is for each *Driver* to complete the program of *Tests* in the prescribed manner in the shortest time, including any penalty.

**Note:** A *Motorkhana* is not and must not include a *Speed Event*.

#### 3. OFFICIALS

- 3.1 An observer/s will be appointed to verify that each *Automobile* completes each *Test* in accordance with the Rules. Each will be a Judge of Fact in respect to crossing a line, striking a marker, entering/exiting a garage, correctly following the *Course* or any other similar requirement.
- 3.2 For each Essential Official required for each status of *Competition* refer to “Essential Officials – Auto Test” published at [motorsport.org.au](http://motorsport.org.au).
- 3.3 For a *Club Competition* or *State Competition*, any official, except for a Steward (if appointed), subject to a qualified replacement being appointed, may participate as a *Competitor* or *Driver*.

#### 4. ENTRIES

- 4.1 Each *Driver* must hold at least a Junior Speed Licence or Speed Licence. Refer General Appendix – Competition Licences.
- 4.2 A *Driver* is permitted to be entered to drive 1 *Automobile* only in each *Event*.
- 4.3 Unless approved by the Clerk of the Course for a family unit, a maximum of 4 *Drivers* may be entered in the same *Automobile*.

#### 5. COMPETITION AREA

- 5.1 A *Motorkhana* may be conducted on a sealed or unsealed surface.
- 5.2 The *Test* area must be as flat and as smooth as practical and free of any hazard.
- 5.3 Unless advised otherwise in the *Supplementary Regulations*, the layout of each *Test* must be one that is included in the Motorkhana Test Booklet. Regardless, the layout of each *Test* must fit within an area of 100 m x 50 m and not contain a straight section greater than 60 metres without a turn of at least 90 degrees.

- 5.4 The layout for each *Test* is subject to  $\pm 200$  mm for each dimension.
- 5.5 A diagram of each *Test* will be published and distributed to each *Competitor* at the *Event*.
- 5.6 Each marker must be at least 750 mm high, not exceed 300 mm square at its base and constructed to minimise any damage to an *Automobile*. Each *Test* diagram will indicate a letter for each marker. Each marker with the same letter must be the same colour and each letter a different colour. Only a green marker may be used for the start garage, and only red for the finish garage with no other marker so coloured.
- 5.7 Each garage must be clearly marked at its extremities, and by markers on each side. The back of each garage must be marked in a similar manner unless it is required that an *Automobile* will travel through the garage.
- 5.8 A field boundary line must extend across the fronts of the start and finish garages of each *Test* extending 4 metres to each side and joining the fronts of such garages, spaced 1 metre apart. The markers of this field boundary must be of a distinctive form and/or colour different from all other markers of the *Test*.
- 5.9 The *Competition* area must be separate from the spectator area in which spectator marshals may be appointed and:
  - 5.9.1 for each *Test*, only a necessary official, *Automobile*, *Driver* and *Passenger* are permitted within the *Competition* area;
  - 5.9.2 an adequate runoff must be provided at the rear of the finish garage which separates it from the spectator area; and
  - 5.9.3 animals are prohibited.

## **6. SAFETY**

- 6.1 A speed limit of 10 km/h applies in any non-competition area.
- 6.2 A first aid kit and a 4 kg fire extinguisher be provided by the *Organiser* adjacent to the start garage.

## **7. AUTOMOBILES**

### **7.1 ELIGIBILITY**

- 7.1.1 Each *Automobile* must comply with Technical Appendix - Schedule A and Auto Test Appendix - Group 4H Motorkhana Technical Regulations.
- 7.1.2 Unless otherwise specified in the *Supplementary Regulations* (e.g. Self-Scrutiny Statement of Vehicle Compliance), each *Automobile* must be examined by a Scrutineer prior to its first *Competition* at each *Event*.

### **7.2 REPLACEMENT**

- 7.2.1 Subject to the approval of the Clerk of the Course:
  - 7.2.1.1 a *Driver* whose *Automobile* has failed may use a replacement (preferably in the same class) provided it has passed scrutineering; and/or
  - 7.2.1.2 an *Automobile* which temporarily fails and is repaired may complete a further *Test/s* out of running order subject to maintaining the fairness of the *Competition*, e.g. changing weather conditions, timetable. In this case, a *Test* area must not be held open after each other *Automobile* has completed that particular *Test*; and
  - 7.2.1.3 any such decision of the Clerk of the Course is not subject to protest.

### **7.3 CLASSES**

- 7.3.1 Each *Automobile* will be classified as either 'Production' or 'Specials' in accordance with Auto Test Appendix – Group 4H Motorkhana Technical Regulations.
- 7.3.2 The *Supplementary Regulations* may include additional classes for *Drivers* only.

## **8. DRIVERS**

- 8.1 Each *Driver* must wear apparel and use a seat belt compliant with Technical Appendix - Schedule D and I.
- 8.2 The minimum age for a *Driver* is 12 years at the time of the *Competition*.

## **9. PASSENGERS**

- 9.1 Except for the Motorsport Australia Motorkhana Championship or where prohibited in the *Supplementary*

*Regulations*, a *Passenger* is permitted for the purpose of instruction/guidance subject to the following:

- 9.1.1 An inexperienced *Driver* (including a *Junior*), may carry an experienced *Passenger*, or an experienced *Driver* may carry an inexperienced *Passenger* (including a *Junior*);
- 9.1.2 A request must be lodged with the Clerk of the Course who will determine the suitability of the *Passenger* or the experience of the *Driver* prior to approval;
- 9.1.3 Each *Passenger* must complete the Motorsport Australia "Passenger in Vehicle Disclaimer Form" before any *Test*;
- 9.1.4 Only 1 *Passenger* is permitted in the *Automobile* with the *Driver* at any time during a *Test*; and
- 9.1.5 Each *Passenger* must wear apparel and use a seat belt compliant with Technical Appendix – Schedule D and I.

## 10. TEST PROCEDURE

### 10.1 GENERAL

- 10.1.1 If fewer than 50 percent of the scheduled number of *Tests* are conducted, the *Event* will be abandoned.
- 10.1.2 The *Supplementary Regulations* must include:
  - 10.1.2.1 a list of each *Test* to be conducted;
  - 10.1.2.2 the rotation system for the running order for each *Test* based on the number of entries and the number of *Tests*, and
  - 10.1.2.3 the method by which each competition number will be allocated.
- 10.1.3 Any interpretation of a *Test* procedure may only be provided by the Clerk of the Course or any official appointed by the Clerk of the Course for that purpose.
- 10.1.4 If a marker is displaced during a *Test*, and it is required to negotiate that marker later in the same *Test*, the *Driver* must respect its original position.
- 10.1.5 An *Automobile* must complete the full distance of a *Test* under its own power.
- 10.1.6 Provided an *Automobile* completes a *Test*, including any retracing of an incorrect path, that attempt will be considered valid.

### 10.2 START AND FINISH

- 10.2.1 Each *Automobile* must *Start* and finish each *Test* in a forward direction.
- 10.2.2 Prior to the commencement of the *Test*, an *Automobile* must be stationary, wholly within the boundaries of the start garage and behind the *Start Line*. A *Driver* may request the assistance of an official when aligning their *Automobile* at the *Start Line*.
- 10.2.3 For the commencement and finish of a *Test*, the front wheels of the *Automobile* must precede the rear wheels across the *Start Line* and *Finish Line*.
- 10.2.4 The *Finish Line* must be not less than 500 mm and not more than 1 metre behind the front of the finish garage.
- 10.2.5 To finish correctly, an *Automobile* must cross the *Finish Line* between the markers and stop within the finish garage without displacing any marker. This manoeuvre must be completed without reversing and within 10 seconds of crossing the *Finish Line*. Spinning an *Automobile* to a halt in the finishing garage is not considered as reversing.
- 10.2.6 A *Driver* will be deemed to have failed to attempt a *Test* if:
  - 10.2.6.1 not arriving at the *Start Line* after being called twice by the officials; and/or
  - 10.2.6.2 having arrived at the *Start Line*, fails to *Start* within 1 minute of being instructed to do so by an official.
- 10.2.7 To be classified as a finisher in an *Event*, a *Driver* must start at least 50% of the *Tests* in that *Event*.

### 10.3 RE-RUNS

- 10.3.1 A re-run of a *Test*, whether for an individual or for the whole field, will be determined by the Clerk of the Course to provide a fair result. Any such decision is not subject to protest.
- 10.3.2 The Clerk of the Course must ensure that the timekeeper and other officials of the *Test* concerned

are notified of any re-run.

## 11. TIMING

- 11.1 Timing must be to 0.01 of a second.
- 11.2 Timing will commence when the leading point of the *Automobile* crosses the *Start Line* and end when it crosses the *Finish Line*.
- 11.3 Timing may be automatic or manual. If automatic timing is used the Organiser must provide manual timing as a back-up.
- 11.4 Manual timing must use at least 2 stopwatches each operated by a different official and the times recorded averaged which will be the *Driver's* elapsed time.
- 11.5 For each *Test*, the *Organiser* must display the time recorded by each *Driver* including any penalty imposed.
- 11.6 Each *Driver* must be advised if an error in the automatic timing is detected and the Clerk of the Course will decide whether:
  - 11.6.1 the *Test* concerned will be abandoned, providing that the program will still then contain at least the minimum number of *Tests*; or
  - 11.6.2 the *Test* will be re-run with restored or alternative equipment; or
  - 11.6.3 the *Test* will revert to manual timing for all *Drivers*.

## 12. PENALTIES

- 12.1 A penalty imposed during a *Competition* will be noted in the results for each infringement as follows:

Infringement	Penalty	Abbreviation for results
Hitting a marker	Plus 5 seconds per marker	1F, 2F etc
Not fully garaged	Plus 5 seconds plus any marker hit	NFG
Failure to come to a complete stop in the finish garage	Slowest time plus 5 seconds	NSG
Completely outside the finish garage boundary	Slowest time plus 5 seconds	OSB
Failure to follow the <i>Test</i> procedure	Slowest time plus 5 seconds	WD
Failure to finish	Slowest time plus 5 seconds	DNF
Running out of order without the Clerk of the Course approval	Slowest time plus 10 seconds	IM
Reversing after crossing the <i>Finish Line</i>	Slowest time plus 5 seconds	RAF
Failure to <i>Start a Test</i>	Slowest time plus 10 seconds regardless of "twice the fastest time" being faster	DNS

- 12.2 "Plus 5 seconds" means 5 seconds added to the time recorded by that *Driver* on that *Test*.
- 12.3 "Slowest time plus five seconds" means 5 seconds added to the overall slowest time recorded in that *Test* by a *Driver* without a *Passenger*.
- 12.4 "Slowest time plus 10 seconds" means 10 seconds added to the overall slowest time recorded in that *Test* by a *Driver* without a *Passenger*.
- 12.5 If the overall fastest time or slowest time includes a penalty, then the next fastest time or slowest time without any penalty incurred must be used.
- 12.6 If the slowest time plus 5 seconds exceeds twice the overall fastest time, the time applied will be twice the

overall fastest time.

### 13. RESULTS

Results will be determined by the aggregate of the elapsed time including any penalty/s of each *Test* completed by each *Driver* with the winner being the *Driver* having the lowest aggregate time. If there are equal aggregate times, the tied *Drivers* must be declared joint placegetters.

### 14. AWARDS

Any award will be specified in the *Supplementary Regulations*.

### 15. DEFINITIONS

**Junior:** A *Driver* who is at least 12 years of age and less than 18 years of age on the first day of *Competition* of an *Event*.

**Test:** A *Course* which a *Driver* is required to complete in the prescribed manner.

# ATTACHMENT A

## MOTORSPORT AUSTRALIA MOTORKHANA CHAMPIONSHIP CONDITIONS

### 1. CONDITIONS

- 1.1 The Motorsport Australia Motorkhana Championship must:
- 1.1.1 be conducted as a single annual *Event*;
  - 1.1.2 schedule a program of a maximum of 16 *Tests* selected from the Motorkhana Test Booklet of which at least 25% must be a reversing *Test* and no *Test* may be scheduled more than once; and
  - 1.1.3 be conducted on a sealed surface.
- 1.2 The Supplementary Regulations may only include classes complying with Group 4H – Motorkhana Technical Regulations. A class for novice *Drivers* is not permitted.
- 1.3 Awards must be provided to the *Drivers* classified:
- 1.3.1 in the first 6 places in the general classification; and
  - 1.3.2 first, second and third in each class (subject to more than 6 entries in the class).
  - 1.3.3 Other awards may be provided.

### 2. ROTATION SCHEDULE

The *Motorsport Australia Motorkhana Championship* will be contested annually, at a venue and on a date approved by *Motorsport Australia* in consultation with the relevant State Council and generally in accordance with the following rotational system:

<b>Year 1 (2023)</b>	New South Wales
<b>Year 2</b>	Western Australia
<b>Year 3</b>	South Australia
<b>Year 4</b>	Victoria
<b>Year 5</b>	Northern Territory
<b>Year 6</b>	Tasmania