



14 SUPERMOTO

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Ride. Race. Enjoy.

For up to date GCRs
please visit the MA **General Competition Rules** page at
www.ma.org.au

APPLICATION OF CHAPTER

The GCRs set out in this chapter are for the discipline of Supermoto.

SECTION 14A: AUSTRALIAN CHAMPIONSHIPS**14.1 CATEGORIES FOR SENIOR AUSTRALIAN SUPERMOTO CHAMPIONSHIPS**

CLASS	CAPACITY
Pro	Over 175cc to 250cc 2-stroke & Over 290cc to 450cc 4-stroke
Pro 250 (14 years and over) Endorsement applies	Up to 125cc 2-stroke & Up to 250cc 4 stroke
Open	Up to 500cc 2-stroke & Up to 700cc 4-stroke
Women	Up to 500cc 2-stroke & Up to 700cc 4-stroke

For ATV Classes, refer to Chapter 11.

14.2 CATEGORIES FOR JUNIOR AUSTRALIAN SUPERMOTO CHAMPIONSHIPS

CLASS / AGE RANGE	CAPACITY
Junior 14 to under 16	Up to 125cc 2-stroke & Up to 250cc 4-stroke

14.3 CHAMPIONSHIP MEDALLIONS AND TROPHIES**14.3.1 Individual Competitions**

- 14.3.1.1 MA medallions will be presented to the 1st, 2nd and 3rd placed riders in each Championship solo class.
- 14.3.1.2 At least the first 3 place getters in any Australian Championship Event must be awarded a sash or similar permanent memento of the achievement by the Promoter, irrespective of MA awards.
- 14.3.1.3 Medallions and points will be awarded in all other Australian Championships where there are:
- 10 or more starters for solo classes which actually participate in practice, qualifying or Races,
 - 6 or more starters for all female and junior classes which actually participate in practice, qualifying or Races.



SECTION 14B: COMPETITION CLASSES**14.4 SENIOR COMPETITION CLASSES**

CLASS	CAPACITY
Pro	Over 175cc to 250cc 2-stroke & Over 290cc to 450cc 4-stroke
Pro 250 (14 years and over) Endorsement applies	Up to 125cc 2-stroke & Up to 250cc 4 stroke
Open	Up to 500cc 2-stroke & Up to 700cc 4-stroke
Clubman	Up to 500cc 2-stroke & Up to 700cc 4-stroke
Veterans	Up to 500cc 2-stroke & Up to 700cc 4-stroke
Womens	Up to 500cc 2-stroke & Up to 700cc 4-stroke

For ATV classes, refer to Chapter 11.

14.5 JUNIOR COMPETITION CLASSES

CLASS/ AGE RANGE	CAPACITY
Lites 9 to Under 13	Over 65cc to 85cc 2-stroke & Over 90cc to 160cc 4-stroke
Junior 14 to under 16	Up to 125cc 2-stroke & Up to 250cc 4-stroke

SECTION 14C: COMPETITION RULES**14.6 ELIGIBILITY:****14.6.1 GENERAL**

14.6.1.1 No person may participate in any Competition unless and until

- a) That person's protective clothing/equipment and Machine have been examined and approved by the Scrutineer for that Event, or
- b) If permitted by the SRs, the person, having self-scrutineered their protective clothing, equipment and machine, has submitted a signed declaration confirming same to be fit for purpose and compliance with the GCRs.

14.6.1.2 At scrutineering, competitors must produce documents or other evidence as required to verify engine and frame identity.

14.6.1.3 The onus of proving that a competitor, and the competitor's machine and protective clothing/equipment, are eligible to compete, is on the person seeking to prove it.

14.6.1.4 Where any GCR prohibits the modification of any machine or class of machines, that machine or that class will be deemed to have been modified if any part or parts thereof have been altered from OEM.

14.6.2 Veterans

14.6.2.1 Riders must have turned 35 years before the 1st of January in the year of Competition.

14.6.3 Qualification for Classes

14.6.3.1 To qualify for Pro Class at a National Championship, a rider must achieve at least a time equal to 106% of the time recorded by the fastest rider of their class.

14.6.3.2 Any rider who fails to qualify for Pro Class, will be reclassified to the Open Class.

14.6.3.3 The method of qualification for classes other than Pro (at a National Championship), shall be contained in the SRs for that Event. GCR 14.6.3.1 Race officials may alter the percentage amount, on a per Event basis, where it is deemed necessary and in the interests of safety, fairness, competitiveness or the application of the set amount would make the running of the Event impractical.

14.6.4 Cross Entry

14.6.4.1 A rider may not cross-enter between Championship classes on the same machine, with the exception of the Womens class.

14.7 ELIGIBILITY: JUNIORS**14.7.1 General**

14.7.1.1 Unless otherwise permitted in writing by the RCB, for any Competition there must be no greater age variation between competitors than 4 years.

14.7.2 Junior Supermoto Endorsements

14.7.2.1 Juniors must have the appropriate endorsement to enter any Supermoto Competition. Refer to the MA Licence Conditions and Endorsements Document available at www.ma.org.au.

14.8 GENERAL RULES**14.8.1 Homologation**

14.8.1.1 For any Competition, MA may require that any machine, or any part of a machine, including tyres, be homologated. For homologation details contact MA.

14.8.2 Cameras

14.8.2.1 Cameras may be fitted to the motorcycle provided they are securely mounted. Camera mounts are subject to approval by the Chief Scrutineer. Helmet cameras are not permitted unless the camera is integrated into the helmet, by design of the manufacturer.

14.9 PROTECTIVE CLOTHING AND HELMETS

14.9.1.1 No competitor may practice, start or compete in any Supermoto Competition unless wearing the protective equipment and clothing as outlined in Appendix A: Protective Clothing and Helmets.

14.10 MACHINE AND RIDER IDENTIFICATION**14.10.1 Number Plates: Juniors and Seniors**

14.10.1.1 For all Competitions three number plates must be fitted; one at the front and one on each side.

14.10.1.2 Number plates must have figures which are clearly visible at a distance of 20 metres. Figures must be in a contrasting colour to the number plate.

14.10.1.3 Advertising is permitted on all machines, but must be at least 25mm clear of the number plate background and the rider's name by either a gap or a contrasting colour strip, unless the advertising is an integral part of the back-plate cover.

14.11 RACE EVENT PROTOCOLS

14.11.1.1 Senior classes may be combined if provided for in SRs.

14.11.2 Flags and Signals

14.11.2.1 The minimum dimensions of all flags must be 500mm x 500mm.

14.11.2.2 Track flags and signals as per Appendix B: Flags and Signals.

14.11.2.3 The National flag signifying the start of an Event may be replaced by:

- a) A light signal,
- b) A starting tape,
- c) A rubber band, or
- d) A dropping gate.

14.11.3 Measurement at Events

14.11.3.1 A Steward of an Event may direct the measurement of the capacity of the engine of any machine, to be carried out at the conclusion of the Event. Until the measurement is completed the machine must remain under the control of the RCB.

14.11.3.2 If an engine is measured at the request of a rider or entrant, that rider or entrant is liable for the cost of the measurement.

14.11.4 Measurement: Australian and State Championship Events

14.11.4.1 For all Australian and State Championship Events:

- a) All machines must have provision for the placement of sealing wire,
- b) An entrant may request that the entrant's machine be measured and sealed before the Event. As soon as practicable after receiving the request the measurer for the Event must measure and seal the machine. Any machine examined under this sub-rule may, on application by the entrant, at the discretion of the measurer, be exempted from further examination at the Event,
- c) The 1st, 2nd, 3rd and 4th placed machines may be impounded for a period of 30 minutes immediately following the Race, pending any protest, and the Race result will be provisional,
- d) At the conclusion of that period, if no protest is received, the result will be final,
- e) If any such Machine is to be ridden in another Competition within that period, that Machine must be sealed before being returned to the competitor for that Competition,
- f) If no protest is received within that period, the seals may be removed,
- g) Any Machine sealed as the result of a protest may only be measured by a measurer. All measurer's reports, together with the seals, must be delivered to the RCB within 21 days after the Event,
- h) No prize monies may be paid until measurer's reports and seals are received or the expiration of 21 days whichever occurs first.

14.11.5 Grid Positions

14.11.5.1 There must be a maximum of 3 riders per row with a minimum of 1.5 metres between riders.

14.11.5.2 There must be a minimum of 4 metres between rows.

14.11.6 Starts

14.11.6.1 All competitors must, in relation to the start of any Competition, comply with directions issued by, and under the authority of, the Starter. For such purposes the Starter, on the instructions of a key official, may:

- a) Delay a start,
- b) Direct a Re-start,
- c) Direct a competitor to start from:
 - i) The back of the starting grid,
 - i) The pit lane,
 - ii) The rear of the field, or
 - iii) Such other position as shall be required for the safe, fair and orderly start of the Competition.
- d) Exclude a competitor who is late for the start.

14.11.6.2 The method of starting will be as prescribed by SRs.

14.11.6.3 The start of an Competition occurs:

- a) When the order to start is given, or
- b) For flying starts, when the starting line is crossed.

14.11.6.4 Unless otherwise provided for in the SRs, massed starts must be used.

14.11.6.5 Unless otherwise provided for in the SRs, qualifying for starting grid positions must be held.

14.11.6.6 In the absence of qualifying, the Clerk of Course must allocate starting grid positions.



14.11.7 Finishes

14.11.7.1 For Races:

- a) A chequered flag must be displayed to each competitor as each crosses the line, with the flag being displayed:
 - i) To the first to complete the Race, who will, subject to the results of any protests, be the winner, and
 - ii) Thereafter to each competitor who:
 - Has completed not less than 75% of the Race distance,
 - Is still competing in the Race on the lap in which the chequered flag is displayed to the winner, with the sequence of completion of the Race being the determinant of placings.
- b) The finish of the Race occurs when the flag is displayed to the last competitor under GCR 14.11.7.1,
- c) The finish occurs for each machine when the foremost part of the machine crosses the line,
- d) On a solo machine the competitor must finish the Race in contact with the machine,
- e) In case of a dead heat between competitors for a place:
 - i) The places and the awards for those places will be combined,
 - ii) The participants in the dead heat will share the places and awards equally,
 - iii) The remaining places will be relegated by the number of participants in the dead heat.

14.11.8 Juniors: Starts and Finishes

14.11.8.1 In addition to the general start requirements for all competitors, Juniors must comply as follows:

- a) When assembled for the start of a Race, and during the Race, no competitor may receive outside assistance other than at the direction of the Steward, the Clerk of Course or the Starter,
- b) Pit board signals will not be used in Junior Competition. Riders/pit crew who fail to obey this instruction are liable to exclusion for the duration of the Competition,
- c) When the number of competitors exceeds one full grid:
 - i) Elimination heats and semi-Finals must be held,
 - ii) The RCB may direct that Competitions be decided by a Final or Finals, consisting of a number of heats.

14.11.9 Stopping Events

14.11.9.1 Where an incident causes a Race to be stopped, the Steward or Clerk of Course may declare the Race complete if at least 2/3rds of the Race distance or time, whichever is the less, has been run.

14.11.9.2 The results so declared will be based on the placings at the finish line of the last full lap completed before the incident but will Exclude those competitors who:

- a) Caused the incident, or
- b) Having been involved in the incident could not continue in the Race.

14.11.10 Stopping and Re-running Competitions

14.11.10.1 The Steward or Clerk of Course who has Excluded a competitor for unfair conduct and considers that such conduct has:

- a) Given an advantage to the team of which the offender is a member, or
- b) In the case of a non-team Competition, jeopardised the fair chances of one or more of the other competitors in the Competition,

may declare the Competition void and order a Re-run.

14.11.10.2 If the Competition continues, any competitor unable to cross the finish line as a result of such conduct on the part of the Excluded competitor may be deemed to have finished the Competition in the place:

- a) Held immediately before such conduct, or
- b) Having regard to any advancement in placing following the exclusion, in some other place.

14.11.10.3 A Steward or Clerk of Course may stop a Competition and order it to be Re-run if it would be dangerous for it to continue.

14.11.10.4 In any Re-run:

- a) Any competitor who:
 - i) Fell in the stopped Competition as a result of having been fouled,
 - i) Intentionally laid down their machine in the interests of safety, or
 - ii) Left the course in the interests of safety,
may participate.
- b) Any competitor who:
 - i) Caused or contributed to the Competition being stopped,
 - iii) Failed to start in,
 - iv) Retired from,
 - v) Was Excluded from, or
 - vi) Had been lapped during the course of the stopped Competition,
may not participate.

14.11.10.5 Where the Steward or Clerk of Course has stopped a Race due to danger the following will apply:

- a) If no more than two laps of the stopped Race were completed:
 - i) The stopped Race will be declared null and void,
 - ii) The Race may be Re-run,
 - iii) The Re-run Race will be for the full Race distance,
 - iv) The original grid positions will be used,
 - v) The place of any machine unable to take part in the Re-run Race will be left vacant,
 - vi) Machines may be repaired or replaced provided they have been approved by the Scrutineer.
- b) If more than two laps, but less than 2/3rds of the Race distance, have been completed:
 - i) The Race may be Re-started, but only once,
 - ii) The Re-start must occur no more than 30 minutes after the Race has been stopped,
 - iii) The Re-started Race distance will be equal to the balance of the stopped Race distance,
 - iv) Positions on the grid for the Re-started Race will be determined by the order of competitors at the finish line of the last full lap of the stopped Race,
 - v) Only competitors who have completed at least 75% of the laps completed by the leading competitor at the time of stopping will be permitted to participate in the Re-started Race,
 - vi) Machines may be repaired or replaced provided they have been approved by the Scrutineer,
 - vii) The stopped Race and any Re-run will be deemed to be parts of the one Race,
 - viii) The winner will be the competitor having the highest number of laps at the finish,
 - ix) Where two or more competitors complete the same number of laps the winning order will be determined by the time taken by each to complete those laps,
 - x) If at least 2/3rds of the scheduled Race distance is completed full points will be awarded,
 - xi) If less than 2/3rds of the scheduled Race distance is completed half points will be awarded.

14.11.10.6 If the Race is interrupted after the chequered flag, the following procedure will apply:

- a) For all the riders to whom the chequered flag was shown before the interruption, a partial classification will be established at the end of the last lap of the Race.
- b) For all the riders to whom the chequered flag was not shown before the interruption, a partial classification will be established at the end of the penultimate lap of the Race.
- c) The complete classification will be established by combining both partial classifications as per the lap/time procedure.

14.11.11 Jump Starts (other than flying starts)

- 14.11.11.1 Each machine must remain stationary within its grid position until the start signal is given. A jump start occurs when there is any movement from the machine, or the machine is not in its nominated grid position when the field is in the starters control prior to the start being given.
- 14.11.11.2 Upon the recommendation of the Clerk of Course, a board reading "Jump Start" together with the rider's number will be displayed at the start/finish line to a rider who committed the jumped start.

14.11.12 Scoring

- 14.11.12.1 All Races will be scored using the scoring system below:

PLACE	POINTS	PLACE	POINTS
1	25	11	10
2	20	12	9
3	18	13	8
4	17	14	7
5	16	15	6
6	15	16	5
7	14	17	4
8	13	18	3
9	12	19	2
10	11	20	1

- 14.11.12.2 An alternative points scoring system may be approved for an MA series or Event.
- 14.11.12.3 If points are tied for any position in a Competition which is conducted over more than one leg, the tying competitor who has the higher finishing position in the final leg of the Competition will be awarded the position.
- 14.11.12.4 If points are tied for any position in a series, the tying competitor who has the greatest number of higher placings in the series will be awarded the position.

14.11.13 Change of Machine during a Competition

- 14.11.13.1 During any Competition, other than an attempt at a record, no machine may be exchanged for another unless permitted under these GCRs or any SRs.

14.11.14 Radio Communication

- 14.11.14.1 Radio communications with riders is not allowed, and will be classed as outside assistance.

SECTION 14D: TECHNICAL REGULATIONS**14.12 SOUND EMISSIONS**

- 14.12.1.1 Sound testing must be carried out as per Appendix C: Sound Emissions & Fuel.

14.13 FUEL

- 14.13.1.1 Fuel for all machines must be as per Appendix C: Sound Emissions & Fuel.

14.14 ENGINES**14.14.1 Reciprocating Engines**

- 14.14.1.1 The formula for calculation of capacities and classes:

$$\text{Cubic capacity} = \frac{(D^2 \times 3.1416 \times C \times N)}{4}$$

Where: D = Bore in centimetres
C = Stroke in centimetres
N = Number of cylinders

14.14.2 Engine Capacity Tolerances

- 14.14.2.1 The actual engine capacity of a machine competing in a capacity class may not exceed the prescribed capacity for that class by more than 2%.

14.14.3 Allowable Engine Types

- 14.14.3.1 Internal combustion engines - Only single or twin cylinder engines may be used,
- 14.14.3.2 Electric machines may compete with comparable machines as approved by MA. **For further information, refer to Appendix D: Electric Motorcycles.**

14.15 FRAMES AND PARTS

- 14.15.1.1 The use of titanium in the construction of the frame, the front forks, the handlebars, the swinging arm, the swinging arm spindles and the wheel spindles, is forbidden unless OEM. The use of light alloys for wheel spindles is also forbidden unless OEM. The use of titanium alloy nuts and bolts is allowed.

14.15.1 General

- 14.15.1.1 Plugs or caps which, if removed, permit the discharge of any lubricating, cooling or hydraulic fluids, must be wire-locked or otherwise secured in the tightened position in a manner approved by the Scrutineer.
- 14.15.1.2 Lock wiring used on oil and water filler caps and drain plugs must be visible.
- 14.15.1.3 Where flexible oil lines other than those supplied as standard equipment by the original machine manufacturer are used, they must incorporate high pressure hose secured by high pressure connections. Worm drive hose clamps may not be used.
- 14.15.1.4 All hoses must be securely fitted and guarded to prevent contact with:
- The ground,
 - Tyres or other moving parts over the full movement of the suspension.
- ~~14.15.1.5 Electric bikes must be fitted with an effective ignition cut-out switch operating on the primary circuit secured to the handlebars and attached by a lanyard to the rider's wrist while the machine is in operation such that a separation of the machine and rider will activate the ignition cut-out circuit.~~
- 14.15.1.5 On all engines, an oil catch tank of 300cc minimum, properly fastened, or a closed breather system must be installed.
- 14.15.1.6 The only liquid coolants permitted are water and non-glycol coolants. Glycol and coolants manufactured with glycol are not allowed.
- 14.15.1.7 Lubricating, cooling and hydraulic fluid levels must be maintained within manufacturers' specifications.
- 14.15.1.8 A non-return valve must be fitted to the tank breather.

14.15.2 Fuel Tanks

- 14.15.2.1 Fuel tanks may be constructed from any material that has been approved by the Australian Standards Association as a petrol or fuel container material.

14.15.3 Exhaust Systems

- 14.15.3.1 Exhaust systems must:
- Be fitted with silencers,
 - Terminate at a point not more than 25mm beyond the rear extremity of the rear tyre tread.

14.15.4 Centre and Side Stands

- 14.15.4.1 Centre and side stands must be removed for all types of Competition in Supermoto.

14.15.5 Footrests

- 14.15.5.1 Footrests must:
- Be well rounded and designed so as to ensure that no dangerous edges are created due to wear.
 - Not touch the ground at lean unless they are hinged or pivoted and controlled by a return spring.

14.15.6 Handlebars

- 14.15.6.1 The ends of the handlebars or twist grip sleeves must be securely plugged so as to present a flush or rounded end.

- 14.15.6.2 Handlebar levers must:
- a) Have ball ends with a minimum diameter of:
 - i) 15mm, for levers longer than 76mm,
 - ii) 10mm, for levers shorter than 76mm.
 - b) Measure no more than 200mm from the fulcrum to the extremity of the ball.
- 14.15.6.3 Throttle controls must be self-closing.
- 14.15.7 Junior Handlebars**
- 14.15.7.1 85cc 2-stroke and 150cc 4-stroke solo handlebars must be securely plugged and have no greater width than 800mm.
- 14.15.8 Kick Start Levers**
- 14.15.8.1 Kick start levers, other than transverse, must be folding.
- 14.15.9 Drive Chain Protection**
- 14.15.9.1 Primary drives (the drive connecting engine to clutch) must be guarded so as to prevent direct access to the chain or sprockets with the fingers.
- 14.15.9.2 A chain guard made of suitable material must be fitted in a way to prevent trapping between the lower drive chain run and the final drive sprocket at the rear wheel.
- 14.15.9.3 Projecting sprockets, which are not behind a clutch assembly or directly behind a frame member, must be guarded.
- 14.15.10 Tyres**
- 14.15.10.1 Knobby tyres are not permitted.
- 14.15.10.2 Additional cuts and/or grooves may be made to tyres.
- 14.15.11 Rims**
- 14.15.11.1 Any rim size can be used in all classes.
- 14.15.12 Brakes**
- 14.15.12.1 A pin or locknut must be fitted to the brake pad fixture. The safety wire used on the brake caliper bolts must be visible.
- 14.15.13 Hand Protectors**
- 14.15.13.1 If hand protectors are used, they must be of a shatter proof material.

SECTION 14E: MINIMOTARD

14.16 COMPETITION CLASSES

CLASS/ AGE RANGE	CAPACITY
Senior	Up to 85cc 2-stroke, Up to 160cc 4-stroke
Junior 9 to Under 16	Up to 85cc 2-stroke, Up to 160cc 4-stroke

14.17 COMPETITION RULES

14.17.1 Grid Positions

- 14.17.1.1 There must be a maximum of 3 riders per row with a minimum of 1 metre between the riders; and
- 14.17.1.2 There must be a minimum of 2 metres between rows.
- 14.17.1.3 No more than 30 riders may participate in each Race.

14.18 ENGINES

14.18.1 As per GCR 14.14 plus:

- 14.18.1.1 Lock wiring used on oil and water filler caps and drain plugs must be visible.
- 14.18.1.2 A non-return valve must be fitted to the tank breather pipe.
- 14.18.1.3 Minimotards may have manual or automatic gearboxes.
- 14.18.1.4 Minimotards must be fitted with a hose running from the crankcase breather into a catch tank with a minimum capacity of 200cc.

14.19 FRAMES AND PARTS

- 14.19.1 Must be a Motard designed Motorcycle, no road Race type Motorcycles allowed.
- 14.19.2 Handlebar levers must have ball ends with a minimum diameter of 10mm.
- 14.19.3 Electric machines may compete with comparable machines as approved by MA,
- 14.19.4 Electric bikes must be fitted with an effective ignition cut-out switch operating on the primary circuit secured to the handlebars and attached by a lanyard to the rider's wrist while the machine is in operation such that a separation of the machine and rider will activate the ignition cut-out circuit.

14.19.1 Wheels and Tyres

- 14.19.1.1 Knobby tyres are permitted.
- 14.19.1.2 Treaded road tyres or slicks may be used.
- 14.19.1.3 Maximum wheel size 12" diameter.

14.19.2 Brakes

- 14.19.2.1 Front brake caliper bolts must be lock wired.

For information on becoming an Official or to upgrade and/or renew your Official licence, visit the MA Coaching and Officials page at www.ma.org.au

