

APPLICATION OF CHAPTER

The Rules set out in this chapter are for the discipline of Dirt Track.

Everything that is not authorised and prescribed in this chapter is strictly prohibited.

SECTION 17A: AUSTRALIAN CHAMPIONSHIPS

- 17.0.0.1 The Australian Senior Dirt Track Championship shall where possible be conducted on the June long weekend.
- 17.0.0.2 The Australian Junior Dirt Track Championship shall where possible be conducted in a school holiday period.
- 17.0.0.3 Both the Australian Senior and Junior Dirt Track Championships will be conducted as single meetings at venues selected by the Dirt Track and Track Commission.
- 17.0.0.4 Venues for Australian Senior and Junior Dirt Track Championship will be closed to competitors for a minimum of seven days prior to the event.

17.1 CATEGORIES FOR SENIOR AUSTRALIAN DIRT TRACK CHAMPIONSHIPS

CLASS	CAPACITY
Under 19	150cc 2-stroke & 250cc 4-stroke
**Pro 250	100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke
Pro 450	250cc 2-stroke & 450cc 4-stroke
250 Slider	150cc 2-stroke & 250cc 4-stroke
**Pro Open	Unlimited (MX & Slider)
MX Open	500cc 2-stroke & Over 460cc 4-stroke
500cc Slider	Up to 500cc
Pro Open Women	Unlimited
Sidecar	Up to 1100cc
ATV Pro	Up to 350cc 2-stroke & 450cc 4-stroke
ATV Open	Up to 550cc 2-stroke & 700cc 4-stroke
ATV Women (Open)	Up to 550cc 2-stroke & 700cc 4-stroke

- 17.1.0.1 **Where there are insufficient entries for the Slider classes, these machines may

be combined with the events marked with asterisks in the table above. All machines must have effective front and rear brakes where MX and Slider classes are combined.

17.2 CATEGORIES FOR JUNIOR AUSTRALIAN DIRT TRACK CHAMPIONSHIPS

AGE RANGE	CLASS/CAPACITY
7 to under 9	50cc Auto Division 2
7 to under 9, 9 to under 13	65cc
9 to under 11, 11 to under 13, 13 to under 16	85cc 2-stroke & 150cc 4-stroke, Standard Wheel
11 to under 13, 13 to under 16	**85cc 2-stroke & 150cc 4-stroke, Big Wheel
11 to under 16	85cc 2-stroke & 150cc 4-stroke, Standard & Big Wheel, Girls
13 to under 16	**85cc 2-stroke & 150cc 4-stroke, Slider Only
7 to under 10, 10 to under 14	85cc 4-stroke Modified
13 to under 16	**100cc to 150cc 2-stroke
13 to under 16	**100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke
13 to under 16	100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke, Girls
13 to under 16	**100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke, Slider Only
13 to under 16	200cc to 250cc 4-stroke

- 17.2.0.1 **Where there are insufficient entries for a Slider class, these classes may be combined with classes marked with asterisks in table above. All machines must have effective front and rear brakes where MX and Slider classes are combined.

Note: This is applicable only to riders 13 to under 16 years and at the discretion of the Relevant Controlling Body.

17.3 CHAMPIONSHIP MEDALLIONS AND TROPHIES

17.3.1 Individual Competitions

17.3.1.1 MA medallions will be presented to the 1st, 2nd and 3rd placed riders in each Championship solo class and 1st, 2nd and 3rd placed rider and passenger in the Championship sidecar class at all Australian Championship meetings.

17.3.2 All Competitions

17.3.2.1 At least the first three 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.

17.3.2.2 Medallions and points will be awarded in all other Australian Championships where there are:

- a) 10 or more starters for solo classes which actually participate in practice, qualifying or races,
- b) Six (6) or more starters for sidecar classes which actually participate in practice, qualifying or races,
- c) Six (6) or more starters for all female classes which actually participate in practice, qualifying or races.

17.3.3 Duke of Edinburgh Trophies

17.3.3.1 The Duke of Edinburgh Trophies will be inscribed each year with the names of the winners of the Australian Dirt Track Championships for the following:

- a) Pro 450 Solo, and
- b) Up to 1100cc Sidecar.

17.3.3.2 The winners of the Duke of Edinburgh Trophy will be entitled to have a photograph taken of them with the trophy.

17.3.3.3 The cost of the photograph will be subject to price approval by the State Controlling Body and recoverable from MA.

17.3.3.4 The trophies will be held by MA.

SECTION 17B: COMPETITION CLASSES

17.4 SENIOR COMPETITION CLASSES

CLASS	CAPACITY
Under 19	150cc 2-stroke & 250cc 4-stroke
**Pro 250	100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke
Pro 450	250cc 2-stroke & 450cc 4-stroke
250 Slider	150cc 2-stroke & 250cc 4-stroke
**Pro Open	Unlimited (MX & Slider)
MX Open	500cc 2-stroke & Over 460cc 4-stroke
500cc Slider	Up to 500cc
Pro Open Women	Unlimited
Sidecar	Up to 1100cc
ATV Pro	Up to 350cc 2-stroke & 450cc 4-stroke
ATV Open	Up to 550cc 2-stroke & 700cc 4-stroke
ATV Women (Open)	Up to 550cc 2-stroke & 700cc 4-stroke

17.4.0.1 **Where there are insufficient entries for the 250cc Slider classes, these machines may be combined with the events marked with asterisks in the table above. All machines must have effective front and rear brakes where MX and Slider classes are combined.

17.4.0.2 Riders are eligible to enter one class above capacity of the machine entered (Senior riders only).

17.5 JUNIOR COMPETITION CLASSES

AGE RANGE	CLASS/CAPACITY
4 to under 9	50cc Demo Division 1 (Non-competitive)
7 to under 9	50cc Auto Division 2
7 to under 9, 9 to under 13	65cc
9 to under 11, 11 to under 13, 13 to under 16	85cc 2-stroke & 150cc 4-stroke, Standard Wheel
11 to under 13, 13 to under 16	**85cc 2-stroke & 150cc 4-stroke, Big Wheel

11 to under 16	85cc 2-stroke & 150cc 4-stroke, Standard & Big Wheel, Girls
13 to under 16	**85cc 2-stroke & 150cc 4-stroke, Slider Only
7 to under 10, 10 to under 14	85cc 4-stroke Modified
13 to under 16	**100cc to 150cc 2-stroke
13 to under 16	**100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke
13 to under 16	100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke, Girls
13 to under 16	**100cc to 150cc 2-stroke & 200cc to 250cc 4-stroke, Slider Only
13 to under 16	200cc to 250cc 4-stroke

17.5.0.1 **Where there are insufficient entries for the Slider classes, these machines may be combined with events marked with asterisks in the table above. All machines must have effective front and rear brakes where MX and Slider classes are combined.

Note: This is applicable only to riders 13 to under 16 years and at the discretion of the Relevant Controlling Body.

SECTION 17C: COMPETITION RULES

17.6 ELIGIBILITY: GENERAL

17.6.0.1 No person may participate in any competition unless and until that person's protective clothing/equipment and machine have been examined and approved by the scrutineer for that competition.

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

17.6.0.3 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.

17.6.0.4 Where any Rule 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 the

machine or class as manufactured by the machine manufacturer.

17.6.0.5 In the interpretation of any Rule relating to the design requirements for any machine or class of machines, reference may be made to relevant diagrams appearing in these Rules.

17.7 ELIGIBILITY: JUNIORS

17.7.1 Junior Competitions

17.7.1.1 No person who is under the age of 16 years may compete in other than a Junior competition.

17.7.1.2 In Junior competition,

- A rider's age on 1st January will determine their age for competition purposes for that year,
- A rider may move to the next higher age class when they become eligible by reason of celebrating a birthday, but once the rider moves to that higher age class, they may not move back to the lower age class,
- Any points earned by the rider in the lower age class cannot be transferred when the rider moves to the higher age class,
- This GCR applies to all riders up to and including the age of 16 years.

17.7.1.3 No person who is unable to lift his or her machine unaided from the horizontal to the vertical may compete in any Junior competition.

17.7.1.4 Subject to GCR 17.7.1.2 a), a Junior who is under the age of 9 years may compete on a 50cc automatic machine despite being unable to lift the machine unaided from the horizontal to vertical.

17.7.1.5 No applicant will be issued with their first competition licence if they are under the age of 7 years.

17.7.1.6 Unless otherwise permitted in writing by the Relevant Controlling Body, for any event there must be no greater age variation between competitors than four (4) years.

17.7.1.7 In the 4 to under 9 years 50cc Non-competitive Demo class, all riders are entitled to receive a prize or award of the same size/value.

- 17.7.1.8 Subject to the following two GCRs, a Relevant Controlling Body may permit age group racing, graded racing, or a combination of both.
- 17.7.1.9 Age group racing:
- a) Subject to sub-Rule b), only competitors in the same age groups may compete against each other,
 - b) Competitors from different age groups in the following classes may compete with each other if there are insufficient entries for each class:
 - i) 85cc 2-stroke Big Wheels & 100cc to 150cc 4-stroke single cylinder,
 - ii) 100cc to 150cc single cylinder & 250cc 4-stroke.
- 17.7.1.10 A Relevant Controlling Body may grade Junior competitors according to their respective skills.
- 17.7.1.11 Non-Motocross type 80cc to 160cc 4-stroke machines (excluding 80cc 4-stroke Modified for Dirt Track and Track) are approved for competition under the following conditions:
- a) Exhaust systems may be modified or changed,
 - b) External gearing and carburettor jetting may also be altered,
 - c) No other modifications are allowed.
- 17.7.1.12 Motocross-type 150cc 4-stroke machines may compete against Motocross-type 85cc 2-stroke machines in Junior competition.
- 17.7.1.13 Any person participating in a non-competition activity using 50cc Machines (4 to Under 9 years), is not eligible to participate in any competition class at the same event.
- 17.7.2 Junior Dirt Track Endorsements
- 17.7.2.1 Junior Endorsements will be issued for the following:
- 50cc
 - 65cc 2-stroke/125cc 4-stroke
 - 85cc 2-stroke/150cc 4-stroke
 - 100cc 2-stroke
 - 250cc 4-stroke
- 17.8 GENERAL RULES
- 17.8.1 Homologation
- 17.8.1.1 For any competition, MA may require that any machine, or any part of a machine, including tyres, be homologated. For homologation details see MA website.
- 17.8.2 Helmet Cameras
- 17.8.2.1 Helmet cameras may be fitted providing the mounting to the helmet will allow the camera to detach if impacted upon and the attachment method must not impair the integrity or operation of the helmet.
- 17.9 PROTECTIVE CLOTHING AND HELMETS
- 17.9.0.1 No competitor may practice, start or compete in any Dirt Track competition unless wearing the protective equipment and clothing as outlined in Appendix A: Protective Clothing and Helmets:
- 17.10 MACHINE AND RIDER IDENTIFICATION
- 17.10.1 Number Plates
- 17.10.1.1 For all competitions three number plates must be fitted: one at the front and one on each side.
- 17.10.1.2 Number plates must:
- a) Where they are not an integral part of the machine or streamlining and are under 1.6mm in thickness, have rolled or wired edges,
 - b) In the case of rectangular plates, have the corners formed to a 38mm radius,
 - c) In the case of bolt on number plates, be made from a rigid material with minimum dimensions of 235mm height and 285mm width; and
 - d) In the case of sidecars, be positioned so that they are visible from the front and each side of the sidecar.
- 17.10.1.3 Front number plates must have figures which are clearly visible at a distance of 20 metres and a solid 10mm wide border.
- 17.10.1.4 Side number plates must:
- a) Be fitted above a horizontal line drawn through the rear axle,
 - b) Be fitted so that the front edge of the plate is behind a vertical line drawn

at 200mm to the rear of the rider's footrest,

17.10.1.5 Number backgrounds on side number plates may be an integral part of the rear seat section or fairing.

17.10.1.6 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.

17.10.2 Number Plates: Juniors

17.10.2.1 Number plates for Juniors must be as follows:

- a) A minimum plate size of 225mm width and 200mm height,
- b) Figures with minimum sizes of 100mm height and 20mm width of stroke.

17.10.2.1 For 50cc automatic:

- a) A minimum plate size of 200mm wide and 150mm high,
- b) The figures on the plates must be 100mm high and 20mm wide,
- c) The front plate must be fitted so that it does not extend above the height of the handlebars or grips.

17.10.3 Number Plate Colours

17.10.3.1 Colours must be as follows:

CAPACITY OR CLASS	BACKGROUND COLOUR	FIGURE COLOUR
Up to 150cc	Black	White
151cc to 250cc	Dark Green	White
251cc to 450cc	Mid Blue	White
Over 450cc	White	Black
500cc Slider	White	Black
1100cc Sidecar	White	Black

17.10.3.2 Colours for Junior age group racing:

AGE GROUP (YEARS)	BACKGROUND COLOUR	FIGURE COLOUR
Under 9	Mid Blue	White
9 to under 12	Canary Yellow	Black
12 to under 14	Mail Box Red	White
14 to under 16	Black	Yellow

17.10.3.3 Additional colour combinations may be used, at the discretion of the Relevant Controlling Body.

17.10.5 Back Numbers: Seniors and Juniors

17.10.5.1 No Senior or Junior may compete in any competition unless wearing the machine identification number on their back with a minimum size of 125mm height and 20mm width of stroke. Figures must be black on a white background.

17.11 RACE MEETING PROTOCOLS

17.11.1 Flags and Signals

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

17.11.1.2 Track flags and signals as per Appendix B: Tracks Flags & Signals.

17.11.1.4 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

17.11.2 Measurement at Meetings

17.11.2.1 A Steward of a meeting may direct the measurement of the capacity of the engine of any machine, to be carried out at the conclusion of the meeting. Until the measurement is completed the machine must remain under the control of the Relevant Controlling Body.

17.11.2.2 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.

17.11.3 Measurement: All Australian and State Championship Events

17.11.3.1 For all Australian and State Championship events:

17.11.3.2 All machines must have provision for the placement of sealing wire,

17.11.3.3 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,

17.11.3.4 The 1st, 2nd, 3rd and 4th placed machines must be impounded for a period of 30 minutes immediately following the event, pending any protest, and the event result will be provisional,

- a) At the conclusion of that period, if no protest is received, the result will be final,
- b) If the machines are to be ridden in another event within that period, they must be sealed before being returned to the competitor for that event,
- c) If no protest is received within that period, the seals may be removed,

17.11.3.5 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 Relevant Controlling Body within 21 days after the event,

17.11.3.6 No prize monies may be paid until measurer's reports and seals are received or the expiration of 21 days, whichever occurs first.

17.11.4 Entries

17.11.4.1 No machine may be entered more than once in a class.

17.11.4.2 Any machine that is entered in more than one class must display the allocated riding number for that class on all three number plates when being used in each class.

17.11.5 Practice and Qualifying

17.11.5.1 Practice and qualifying shall be as prescribed in supplementary regulations.

17.11.6 Starts

17.11.6.1 The method of starting will be prescribed in supplementary regulations.

17.11.6.2 Starting positions will be prescribed in supplementary regulations.

17.11.6.3 Unless otherwise determined in the supplementary regulations all competitors must be called to the start line at least two minutes before each start.

17.11.6.4 All competitors must, in relation to the start of any event, 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,
 - ii) The pit lane,
 - iii) The rear of the field, or
 - iv) Such other position as shall be required for the safe, fair and orderly start of the event.
- d) Exclude a competitor who is late for the start.

17.11.6.5 The start of an event occurs:

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

17.11.7 Finishes

17.11.7.1 For events where speed is the determinant:

- 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 event, 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 event distance, and
 - Is still competing in the event on the lap in which the chequered flag is displayed to the winner, with the sequence of completion of the event being the determinant of placings.
- b) The finish of the event occurs when the flag is displayed to the last competitor under GCR 17.11.7.1 a),
- c) The finish occurs for each machine when the foremost part of the machine crosses the line,
- d) Where there are two competitors required to be on one machine together, both must finish the event ~~in~~ in contact with the machine. On a solo machine the competitor must finish the event ~~in~~ 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.

17.11.9 Juniors: Starts and Finishes

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

- a) Competitors may use up to two starting blocks (one per side) up to a maximum of 100mm high and must be able to start in the event unaided while sitting on the machine, This does not apply to Road Racing.
- b) When assembled for the start of an event, and during the event, no competitor may receive outside assistance other than at the direction of the Steward, the Clerk of Course or the Starter,
- c) 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. Refer GCR 7.1.7
- d) When the number of competitors exceeds one full grid:
 - i) Elimination heats and semi - finals must be held,
 - ii) The Relevant Controlling Body may direct that events be decided by a Final or Finals, consisting of a number of rounds.

17.11.9 Stopping Events

17.11.9.1 Where an incident causes an event to be stopped, the Steward or Clerk of Course may declare the event complete if at least 75% of the event distance or time, whichever is the less, has been run.

17.11.9.2 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 and could not continue in the event.

17.11.10 Stopping and Re-running Events

217.11.10.1 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 event, jeopardised the fair chances of one or more of the other competitors in the event,

may declare the event void and order a re-run.

17.11.10.2 If the event 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 race 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.

17.11.10.3 A Steward or Clerk of Course may stop an event and order it to be re-run if it would be dangerous for it to continue.

17.11.10.4 In any re-run:

- a) Any competitor who:
 - i) Fell in the stopped event as a result of having been fouled,
 - ii) Intentionally laid down his or her machine in the interests of safety, or
 - iii) Left the course in the interests of safety, may participate.
- b) Any competitor who:
 - i) Caused or contributed to the event being stopped,
 - ii) Failed to start in,
 - iii) Retired from,
 - iv) Was excluded from,
 - v) Had been lapped during the course of the stopped event,

may not participate.

17.11.10.5 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.

17.11.11 Scoring

17.11.11.1 All races will be scored using the scoring system below:

PLACE	POINTS	PLACE	POINTS
1	25	11	10
2	22	12	9
3	20	13	8
4	18	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

17.11.11.2 An alternative points scoring system may be approved for an MA series event.

17.11.11.3 If a tie on points occurs for any position in an event which is conducted over more than one leg, the tying competitor who has the higher finishing position in the final leg of the event will be awarded the position.

17.11.11.4 If a tie on points occurs 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.

17.11.12 Change of Machine during a Competition

17.11.12.1 During any competition, other than an attempt at a record, no machine may be exchanged for another unless permitted under these Rules or any supplementary regulations.

17.11.13 Radio Communication

17.11.13.1 Radio communication with riders is not allowed, and will be classed as outside assistance.

17.12 AUSTRALIAN SENIOR AND JUNIOR DIRT TRACK CHAMPIONSHIPS FORMAT

17.12.1 Solo Format: More than 12 Entries per Class

17.12.1.1 The Championship comprises:

- a) Three qualifying heats of three laps,
- b) One repechage of four laps,
- c) One Final of four laps,

17.12.1.2 The number of laps stated in GCR 17.12.1.1 may be increased by one lap if the track length is less than 500 metres. In which case the total number of laps will be stated in the supplementary regulations.

17.12.1.3 Heats and Final:

- a) The number of heat positions must not exceed 12.
- b) The right to compete in the Final will be filled by:
 - i) The 10 competitors accumulating the highest number of points during the course of heats,
 - ii) The first two placings of the repechage.

17.12.1.4 Competitors who finish in 11th to 22nd place inclusive during the course of the heats will contest the repechage.

17.12.1.5 The finishing order of each competitor in the Final will determine Championship placings.

17.12.1.6 Grid positions will be pre-drawn and listed in the program for heats and/or rounds. Riders' choice for grid positions in the Finals will apply. Top points scorer has first choice and so on, as per point score result. If electronic timing is used, qualifying time will determine the choice of grid position for the first heat only, thereafter the grid positions are determined by the finishing position in the previous race.

17.12.2 Solo Format: 12 or Less Entries per Class

17.12.2.1 The Championship comprises five races

of four laps, which may be increased by one lap if the track length is less than 500 metres. In which case the number of laps will be stated in the supplementary regulations.

17.12.2.2 Points accumulated by each competitor in the five races will determine the Championship placings.

17.12.3 Sidecar Format: Six (6) Entries per Class

17.12.3.1 The Championship comprises:

- a) Three qualifying heats of three laps,
- b) One repechage of four laps,
- c) One Final of four laps.

17.12.3.2 The number of laps stated in GCR 17.12.3.1 may be increased by one lap if the track length is less than 500 metres. In which case the total number of laps will be stated in the supplementary regulations.

17.12.3.3 Heats and Final:

- a) The number of heat positions must not exceed six.
- b) The right to compete in the Final will be filled by:
 - i) The five competitors accumulating the highest number of points during the course of heats;
 - ii) The winner of the repechage.

17.12.3.4 Competitors who finish in 6th to 11th place inclusive during the course of the heats will contest the repechage.

17.12.3.5 The finishing order of each competitor in the Final will determine Championship placings.

17.12.4 Sidecar Format: Six (6) Entries or Less per Class

17.12.4.1 The Championship comprises five races of four laps, which may be increased by one lap if the track length is less than 500 metres. In which case the number of laps will be stated in the supplementary regulations..

17.12.4.2 Points accumulated by each competitor in the five races will determine Championship placings.

SECTION 17D: TECHNICAL REGULATIONS

17.13 SOUND EMISSIONS

17.13.0.1 Sound testing must be carried out at all permitted events however it is not mandatory to test all machines

17.13.1 Specifications

17.13.1.1 Sound emissions are set out in the tables below:

30 Metres (from side of track) Ride-by Test	
DISCIPLINE	LIMIT dB(A)
Dirt Track & Track	95
Record Attempts	No limit

17.13.1.2 Where government regulations or planning orders exist in relation to lower sound emissions or where a venue has lower sound emission requirements as part of the hire contract, the sound emission required will prevail over GCR 17.13.1.1.

17.13.2 Sound Control during Competition

17.13.2.1 The Sound Control Officer (SCO) must arrive in sufficient time for discussions with the Clerk of the Course and other Technical Officials in order that a suitable test site and testing policy can be agreed.

17.13.2.2 Machines can be tested before, or after competing in an event, chosen by ballot, or as required by a Steward, Clerk of Course or SCO.

17.13.3 Use of Sound Level Meters

17.13.3.1 Sound testing apparatus must:

- a) Comply with International standard IEC 651, Type 1 or Type 2.
- b) Include a compatible calibrator, which must be used immediately before testing begins and always just prior to a re-test if a disciplinary sanction may be imposed.

17.13.3.2 Sound testing apparatus must be set to:

- a) 'Fast response',
- b) 'A' weighted,
- c) Select range High 80~130 dB,
- d) Activate the function MAX MIN - set on MAX,

17.13.3.3 The sound levels will be measured with the sound meter/microphone fixed on a tripod, in the horizontal position, 30

metres from the edge of the track at a high speed point.

17.13.3.4 Tests shall not take place in the rain.

17.13.4 Machine Testing

17.13.4.1 If a machine fails, it can be represented for re-testing.

17.13.4.2 No person may compete in any event on a machine whose noise emissions exceed the prescribed levels.

17.13.4.3 A machine which does not comply with the sound limits can be presented several times.

17.14 FUEL

17.14.1 Fuel Warning

17.14.1.1 Fuels and lubricants are highly specialised substances and participants must be aware they may contain substances that are extremely dangerous to human health if misused, inhaled or allowed to contact skin.

17.14.1.2 Some of the components of fuel and lubricants are suspected of having the potential to cause cancer in rare circumstances.

17.14.1.3 The use of petrol as a general cleaning and washing agent is a common misuse of a potentially dangerous substance.

17.14.1.4 Fuels should be used and stored with extreme care and in accordance with the manufacturer's instructions.

17.14.2 Fuel Testing

17.14.2.1 For any event, meeting or series, the Relevant Controlling Body may direct that no fuels other than fuels of prescribed specifications and from a prescribed source may be used.

a) Tests to ensure that only prescribed fuels are used in an event, meeting or series may be administered at any time and place during the course of the same,

b) The Clerk of Course, Race Director or Chief Scrutineer may direct the administration of fuel tests.

17.14.2.1 Fuel tests must comply with the following procedures:

a) All containers for holding samples must be clean and constructed of robust non-reactive impermeable

material, must be sealable, and must have provision for identification,

b) Equipment used for the extraction of fuel from machines must be clean and constructed of fuel non-reactive material,

c) All samples must be divided into two lots (Sample A and Sample B) of not less than 5ml each, which must be placed in separate containers,

d) Once samples are placed in containers, the containers must immediately be sealed and identified by reference to the machine from which the sample was taken. This information must be entered on a fuel sample certificate which must certify the date, place and time of taking the sample, the identity of the machine from which the sample was taken and the identity of the rider,

e) Both samples must remain in the control of the official who administered the test.

f) The rider or the representative must sign the fuel sample certificate acknowledging samples have been taken and are sealed,

g) All samples held by the official must be delivered as soon as practicable after the competition to the Relevant Controlling Body which must deliver the Sample A as soon as practicable to a laboratory approved by MA where they must be tested for content and quality in accordance with standard scientific procedures,

h) The Relevant Controlling Body must as soon as practicable after receipt of the results notify the rider or rider's team representative and MA,

i) If the rider is dissatisfied with the test result of sample A, they may request sample B be tested at an MA approved laboratory in their presence.

17.14.3 Refueling

17.14.3.1 During refueling, each machine must be stationary with the engine stopped.

17.14.3.2 Refueling will be deemed to have commenced when the fuel tank has been

opened and completed when the tank is closed.

- 17.14.3.3 Smoking is strictly prohibited in areas where refueling is permitted.
- 17.14.3.4 Riders are liable for exclusion from an event for failing to adhere to GCR 17.14.3.3, and are responsible for the actions of their mechanics and support team members.

17.14.4 Homologation of Fuel

- 17.14.4.1 Unleaded fuel produced by an oil company for sale in the Australian general transport fuel market through retail petrol pumps in at least five (5) States does not have to be homologated. For the avoidance of doubt this means the fuel must be available for sale on demand from a roadside bowser outlet at each of at least five (5) separate service stations in each of at least five (5) Australian States or Territories.

- 17.14.4.2 Organisations seeking homologation of fuel must provide MA with:

- Two one-litre sealed containers of the fuel for analysis,
- Details of the fuels characteristics,
- The distribution network,
- The price structure,
- A homologation fee of \$2,500 in the first year and \$2,000 per year thereafter.

- 17.14.4.3 Fuels approved under this GCR will be published at www.ma.org.au.

17.14.5 Fuel: Dirt Track

- 17.14.5.1 Fuel for all machines must:
- Be Unleaded, and
 - Be no more than 100 RON, and
 - Contain no additives other than those added at the point of manufacture except for:
 - lubricating oil for 2-stroke engines
 - Upper cylinder lubricant for 4-stroke engines.
 - Be readily available in Australia as per GCR 17.14.4.1; or
 - Be a brand of fuel homologated by MA that is compatible with the Fuel Quality Standards Act 2000,

- 17.14.5.2 In addition, for Senior and Classic

competition, commercially manufactured pure Methanol with no additives other than lubricating oil may be used.

- 17.14.5.3 Environmental protection: An absorbent mat that measures 500mm x 500mm minimum must be placed underneath the engine/gearbox and fuel tank of any solo or sidecar while parked in the pit, paddock or work area.

17.15 ENGINES

17.15.1 Reciprocating Engines

- 17.15.1.1 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

17.15.2 Engine Capacity Tolerances

- 17.15.2.1 Unless otherwise specified in the following table, 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%:

CLASS	PERMITTED EXCESS
80cc 2-stroke (Manufactured prior to 1/1/1995)	5%

17.16 FRAMES AND PARTS

17.16.1 Streamlining

- 17.16.1.1 All streamlining fitted to motorcycles or sidecars must be free of any sharp edges on exposed extremities.
- 17.16.1.2 For fibreglass construction, edges must be rounded to their own thickness but need not be wired.
- 17.16.1.3 All forward streamlining attached to solo and sidecar machines must have a minimum of three attachment points:
 - At least one supporting the forward section of the shell, and
 - One on each side supporting the rear portion of the shell.
- 17.16.1.4 Identification plates must have corners and edges smoothed.

17.16.2 Fuel Tanks

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

17.16.3 Exhaust Systems

17.16.3.1 Exhaust systems must:

- a) Be fitted with silencers,
- b) Terminate at a point not more than 25mm beyond the rear extremity of the rear tyre tread,
- c) Be attached as closely as practicable to the machine and in a manner that does not, in the opinion of the Scrutineer, create a hazard to other competitors,
- d) Where separate silencers are fitted, have a minimum of two mountings or locking screws on all machines which have a capacity in excess of 85cc,
- e) Where silencers are re-packable, have safety wired securing bolts.

17.16.4 Centre and Side Stands

17.16.4.1 Centre and side stands must be removed for all types of competition other than the 50cc classes.

17.16.4.2 Centre and Side Stands which remain on machines under the previous GCR must be secured in the closed position.

17.16.5 Footrests

17.16.5.1 Footrests must:

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

17.16.6 Handlebars

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

17.16.6.2 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.

17.16.6.3 Throttle controls must be self-closing.

17.16.6.4 A lanyard operated ignition cut-out switch, operating on the primary circuit, must be fitted to all Dirt Track sidecars. For Dirt Track, the lanyard must have a maximum length of one metre.

17.16.6.5 If hand protectors are used, they must be of a shatterproof material.

17.16.7 Kick Start Levers

17.16.7.1 Kick start levers, other than transverse, must be folding.

17.16.8 Drive Chain Protection

17.16.8.1 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.

17.16.8.2 The guard must be constructed of:

- a) Metal having a minimum thickness of 1.6mm, which may be mesh or expanded metal provided the openings do not exceed 10mm, or
- b) Fibreglass having a minimum thickness of 3mm.

17.16.8.3 If a plastic, fibreglass or part open chain guard is used, a steel bolt of not less than 10mm diameter, placed outside the bottom rear quadrant of the clutch sprocket. This bolt, if damaged, must be replaced.

17.16.8.4 Projecting sprockets, which are not behind a clutch assembly or directly behind a frame member, must be guarded where the sprocket teeth are further than 30mm from a frame member or swinging arm.

17.16.8.5 A counter shaft sprocket which is more than 30mm from the outside of the swing arm pivot, must be covered.

17.16.8.6 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.

17.16.9 Tyres and Rims

17.16.9.1 Tyres must comply with the following:

- a) Metal studs, spikes, chain, rope or other non-skid attachments, as well as paddle or scoop treaded tyres,

may not be used unless permitted by the relevant supplementary regulations.

- ~~b) Treads on tyres must be at least 1mm deep on any part of the tyre that comes in contact with the ground.~~
- ~~e) The tread depth indicating holes on slick tyres must be clearly visible and at least 0.5mm deep.~~

17.16.9.2 Loose Dirt Tracks: Tyres must comply with the following:

- a) Maximum block depth is 13mm,
- b) Maximum block size is 24mm x 27.5mm
- c) Maximum gap between blocks is 25mm,
- d) Maximum rear tyre width measured to the outside of blocks is 116mm; when measured at the point on the tyre located at 90 degrees to where the tyre contacts the ground, and at a pressure of inflated to **14psi (9.6kpa)**.
- e) Tyre pressure may be adjusted after measurements.

17.16.9.3 Oil Dirt Tracks: Tyres must comply with the following:

- a) Tread on tyres must be at least 1mm deep on any part of the tyre,
- b) Maximum width allowed of the rear tyre is 165mm; when measured at the point on the tyre located at 90 degrees to where the tyre contacts the ground, and at a pressure of inflated to **14psi (9.6kpa)**.
- c) Tyre pressure may be adjusted after measurements.

~~17.16.9.4 Valve caps must be used for all competitions:~~

17.16.10 Mudguards

17.16.10.1 Either a rear mudguard or a seat must be fitted which extends at least 20 degrees to the rear of a vertical line drawn through the rear wheel axle.

17.16.10.2 Mudguards must be made of a material, which is not liable to cause personal injury if deformed.

17.17 SENIOR SOLO CLASSES

17.17.0.1 For Senior competition, a machine must:

- a) Be constructed as either a Slider type or Motocross type,
- b) Have a gearbox with a minimum of two gear ratios,
- c) Have rear suspension,
- d) Have a minimum of two working brakes.

17.17.0.2 Carbon fibre or carbon composite brake discs and/or carriers are not permitted.

17.17.0.3 Aluminum or Titanium brake discs are not permitted.

17.18 SIDECARS

17.18.1 General

17.18.1.1 Wheel track measurement, taken between the longitudinal centres of the rear and sidecar wheels must be between 810mm and 1,100mm.

17.18.1.2 Ground clearance must be at least 75mm unladen.

17.18.1.3 The lean of the motorcycle at saddle height must be no more than 50mm.

17.18.1.4 When multiple tyres on one wheel are used, the maximum collective width of the tyres must not exceed 280mm.

17.18.1.5 The dimensions of the sidecar baseboard in plain view, taken from a line drawn no further rearwards than the lowest point of the front down tubes to the forward most point of the sidecar wheel tyre and terminating no further rearwards than a line drawn at right angles to the machine from the rearmost point of the rear tyre, must be at least:

- a) 760mm long adjacent to the sidecar wheel,
- b) 300mm wide, having at least 25mm radius to all corners.

17.18.1.6 The leading edge of the sidecar floor must be protected by a nose cone or a rail of at least 50mm height.

17.18.1.7 The drive must be transmitted to the track through the rear wheel of the motorcycle.

17.18.1.8 One efficient rear wheel brake must be fitted.

17.18.1.9 Safety chains must be fitted to all machines equipped with girder type front forks.

- 17.18.1.10 A passenger must be carried in a suitably constructed sidecar.
- 17.18.1.11 There must be no less than four sidecar mounting points.
- 17.18.1.12 There must be no more than 50mm between baseboard and motorcycle and baseboard and sidecar wheel. The baseboard must be arranged to prevent the passenger's feet being trapped.
- 17.18.1.13 Handholds on the sidecar:
- Must be finished with a loop of at least 100mm,
 - Must not project beyond a line taken with the outer edge of the sidecar mudguard or bodywork,
 - Adjacent to the nose section of the sidecar and less than 200mm from the track surface must be at an angle of at least 45° from the horizontal,
- 17.18.1.14 A suitable passenger handhold must be provided on the off side of the rear wheel.
- 17.18.1.15 Stirrup fittings for the passenger's feet are not permitted.
- 17.18.1.16 The rear end of the rear wheel mudguard must terminate not more than 45° above a horizontal line drawn through the rear wheel axle and be valanced to baseboard level on the inside and to axle level on the outside, with the suspension depressed.
- 17.18.1.17 The sidecar mudguard must cover at least 180° of the periphery of the wheel and be valanced to baseboard level on both sides.
- 17.18.1.18 All footrests, brake levers, and gear levers on the opposite side of the motorcycle to the sidecar must be folding, or be shielded by a continuous bar of 12mm minimum diameter.
- 17.18.1.19 Any open area between the footrests, the continuous bar and the offside of the motorcycle must be filled in with a suitable material.

17.18.2 Engine

- 17.18.2.1 Machines competing in any 1100cc sidecar event:
- Supercharged and turbocharged engines must not exceed 500cc,
 - On liquid-cooled engines, an overflow pipe must direct any overflow of coolant away from the rider and passenger.

- 17.18.2.2 A lanyard operated ignition cut-out switch, operating on the primary circuit, must be fitted to all sidecars. The lanyard can be up to one metre in length.

17.19 JUNIOR CLASSES

17.19.1 General

- 17.19.1.1 Non-Motocross type 80cc to 160cc 4-stroke machines, excluding 80cc 4-stroke Modified, are approved for Dirt Track competition under the following conditions:
- Exhaust systems may be modified or changed.
 - External gearing and carburetor jetting may also be altered.
 - No other modifications are allowed

17.19.2 Handlebars

- 17.17.2.1 Handlebars must be securely plugged. The width of handlebars must be not less than 600mm and not more than 850mm.

17.19.3 Tyres

- 17.19.3.1 Type of tyre to be used in Junior Dirt Track competition must be stipulated in the supplementary regulations
- 17.19.3.2 Motocross knobby tyres on the rear of any machine over 85cc 2-stroke or 150cc 4-stroke are not allowed.

17.19.4 Junior Trail Bikes

- 17.7.4.1 The following machines are eligible for club and Inter-club competitions:
- 7 to under 13 : 65cc class

MANUFACTURER	MODEL(s)
BRAAAP	Pro88
Honda	CRF70, XR70, CRF80, XR80 CRF110F
Kawasaki	KLX110, KLX110C, KLX110L
Suzuki	JR80, DR-Z70
Yamaha	PW80, TT-R90 TT-R110

and similar machines approved by Board.

- 9 to under 16 : 85cc class:

MANUFACTURER	MODEL(s)
Honda	XR100, CRF100
Kawasaki	KE100, KLX140

Yamaha	TT-R125
Suzuki	DR-Z125/L

and similar machines approved by Board.

17.19.5 50cc Demo Class Machines

17.19.5.1 Machine Requirements:

- Engine capacity must not exceed 50cc,
- The clutch must be of centrifugal type,
- Wheels as per GCR 17.19.9 must be fitted,

17.19.6 50cc Auto Class Machines

17.19.6.1 Eligible Machines are:

MANUFACTURER	MODEL(s)
Cobra	King CX50
Gas Gas	EC 50
HM	CRX 10/10 Senior, Baja 10/10, X3R
Husqvarna	Husky Boy SF03, CR50
Italjet	Action Outlaw
KTM	SXR PRO SNR, 50SX, SXR PRO JNR, 50 SX 2009
LEM	RX3, RX3 2008, LX2F-USA, CR2, CR2S
Malagutti	RCX10
Polini	XR3
TM	50 C1
Metrakit	MKX50

and similar machines approved by Board.

17.19.6.2 Machine Requirements:

- Engine capacity must not exceed 50cc,
- The gearbox must have one gear,
- External gearing may be altered,
- The clutch must be of centrifugal type, and must not alter the

external appearance of the machine as it was manufactured, and of OEM type

- Wheels as per GCR 17.19.9 must be fitted,
- The appearance of a machine must remain as manufactured provided that the following may be altered:
 - Colour,
 - Seat,
 - Mudguards,
 - Handlebars,
 - Grips,
 - Levers,
 - Cables,
 - Chains,
 - Tyre brand and tread pattern,
 - Carburettor jets
- The frame of a machine may be gusseted and strengthened but not so as to alter the geometry of the frame. ~~A certificate issued by a qualified engineer in respect of any such gussoling and strengthening must be available at machine examination.~~
- Throttle limiting devices may be removed,
- A separate kill switch may be installed in place of the standard,
- Steel serrated foot pegs may replace standard rubber pegs,
- After market exhaust systems and silencers are permitted.

17.19.7 Electric Machines

17.19.7.1 Electric machines may compete with comparable sized machines in Junior competition using the following table:

CLASS	APPROX. POWER OUTPUT	ELECTRIC WHEEL SIZE	EQUIVALENT SIZE [Standard Motorcycles Wheel]
50cc Auto/Demo	Up to 0.75 Kw	12.5" (Rim Bead Diameter 203mm)	8"
50cc Auto/Demo	0.75 to 1 Kw	16" (Rim Bead Diameter 305mm)	12"
65cc	1 to 1.5 Kw	20" (Rim Bead Diameter 396mm)	14.5"

17.19.8 85cc 4-stroke Modified

17.19.8.2 Machine Requirements:

- a) OEM Frame,
- b) Two valve cylinder head,
- c) Standard gearbox and standard number of gears to be retained.

17.19.9 Wheel Sizes

CLASS	FRONT [Approx. Metric Equiv. in mm]	REAR [Approx. Metric Equiv. in mm]
50cc Auto/Demo Class	10" or 12" [254 or 305]	10" [254]
65cc	14" to 15" [356 to 381]	12" [305]
80cc 4-stroke Standard & Modified	16" to 17" [407 to 432]	14" [356]
85cc 2-stroke & 150cc 4-stroke	15" to 17" [381 to 432]	14" [356]
85cc 2-stroke & 150cc 4-stroke Big Wheel	19" to 21" [482 to 534]	16" to 19" [407 to 482]
85cc 2-stroke & 150cc 4-stroke Big Wheel (Dirt Track & Track)	19" [482]	16" to 17" [407 to 457]
85cc 2-stroke & 150cc 4-stroke Standard Wheel (Dirt Track & Track)	17" [457]	14" [356]
100cc	18" to 21" [457 to 534]	16" to 19" [407 to 482]
125cc & over	17" to 21" [432 to 534]	16" to 19" [407 to 482]
250cc 4-stroke	17" to 23" [432 to 586]	16" to 19" [407 to 482]

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