



21

MINIKHANA

Chapter contents

SECTION 21A: MINIKHANA CLASSES ..	290
21.1 SENIOR CLASSES..	290
21.2 JUNIOR CLASSES..	290
SECTION 21B: COMPETITION RULES..	290
21.3 RIDER GRADING ..	290
21.4 GENERAL RULES ..	291
21.5 PROTECTIVE CLOTHING AND HELMETS ..	291
21.6 MACHINE AND RIDER IDENTIFICATION ..	291
21.7 RACE MEETING PROTOCOLS..	292
SECTION 21C: TECHNICAL REGULATIONS ..	294
21.8 SOUND EMISSIONS ..	294
21.9 FUEL ..	296
21.10 ENGINES, ..	296
21.11 FRAMES AND PARTS. ..	296
21.12 JUNIOR CLASSES..	297
SECTION 21D: MINIKHANA COURSES. ..	298
21.13 BASIC COURSE..	298
21.14 ORANGE COURSE. ..	298
21.15 LOOPING. ..	299
21.16 RING RETURN COURSE ..	299
21.17 BENDING COURSE ..	300
21.18 RING BENDING COURSE ..	301
21.19 SLOW COURSE..	301
21.20 CLOVER COURSE..	302
21.21 NO FOOTING CLOVER COURSE..	303
21.22 START AND PARK COURSE ..	303
21.23 O RING RELAY COURSE ..	303
21.24 ACCELERATION AND BRAKING ..	303
21.25 MINICROSS. ..	304
21.26 MINI TRIALS ..	305
21.27 MINI ENDURO. ..	305
21.28 FIGURE 8 COURSE ..	306
21.29 RING CLOVER COURSE ..	307
21.30 NO FOOTING RING CLOVER COURSE ..	307

APPLICATION OF CHAPTER

The following Minikhana rules are written to facilitate the organisation of uniform, safe and fair competitions.

The express purpose of Minikhana motorcycling is the development of riding skills and techniques for junior competitors by providing an organised competition, where skill, rather than speed is the determining factor.

SECTION 21A: MINIKHANA CLASSES

21.1 SENIOR CLASSES

21.1.0.1 All Senior riders can only ride in the Senior Combined 85cc/100cc 2-stroke or 150cc 4-stroke Small Wheel and Big Wheel class.

21.2 JUNIOR CLASSES

AGE RANGE	CAPACITY/CLASS
4 to under 9	50cc Demo (Non-competitive)
7 to under 11	50cc Auto
7 to under 16	Mini Wheels
7 to under 16	65cc
9 to under 16	85cc 2-stroke & 150cc 4-stroke (Small Wheel)
12 to under 16	85cc/100cc 2-stroke & 150cc 4-stroke (Big Wheel)

21.2.0.6 Combining riders of the 85cc 2-stroke or 150cc 4-stroke Small Wheel and Junior Big Wheel 85cc/100cc 2-stroke or 150cc 4-stroke classes with the same grade is permitted only for club competition when there are insufficient riders to constitute a grade(s) or a reasonable level of competition.

SECTION 21B: COMPETITION RULES

21.3 RIDER GRADING

- 21.3.0.1 Senior competitors can only compete in the Senior Combined class.
- 21.3.0.2 The Junior Big Wheel class A grade shall be the premier grade and shall compete in the final event of the meeting unless directed otherwise by the Clerk of the Course.
- 21.3.0.3 Competitors will be graded within the following classes:
- 50cc Demo (Non-competitive)
 - 50cc Auto
 - Mini Wheel
 - 65cc
 - 85cc 2-stroke or 150cc 4-stroke Small Wheel
 - Junior Big Wheel 85cc/100cc 2-stroke or 150cc 4-stroke
 - Senior Combined 85cc/100cc 2-stroke or 150cc 4-stroke Small Wheel and Big Wheel.
- 21.3.0.4 50cc Non-competitive Demo class and Senior Combined classes will not be graded. All other competitors will commence in C grade of the relevant class.
- 21.3.0.5 Grading of competitors is utilised instead of grouping. Age differences of more than four (4) years is acceptable.
- 21.3.0.6 A competitor may be instructed to move up a grade temporarily by the State Controlling Body Grading Officer in the case of an Inter-club or Championship meeting, or by the club Grading Officer for a Closed-to-club meeting to ensure each grade has the required number of starters. Such temporary grading changes shall be effective for only that meeting. Points earned during temporary grading changes shall be accredited to

Subscribe to MA's e-Newsletter –
regular motorcycle news in your inbox, free!

www.ma.org.au

the competitor's accumulated tally for the competitor's official grade and shall be 17 points for 2nd place and 12 points for 3rd place. The minimum number of riders to constitute a grade shall be four.

21.3.0.7 Grading books will be available on all competition days.

21.3.0.8 After each Inter-club or Championship meeting competitors will be upgraded within the competitors class as follows:

- a) Riders who place 1st or 2nd overall in C grade will be upgraded to B grade within that class,
- b) Riders who place 1st overall in B grade will be up graded to A grade within that class,
- c) Riders who place 3rd overall in C grade or B grade will receive 9 grading points,
- d) Riders who place 2nd overall in B grade will receive 12 grading points,
- e) Once a rider accumulates 21 grading points they will be moved up one grade within that class. Once upgraded they will commence in the new grade with 0 grading points.

21.3.0.9 When a rider goes from Mini Wheel to a 65cc the rider will drop one grade and if a rider goes from Mini Wheel to any Junior 85cc 2-stroke or 85/100cc 2-stroke or 150cc 4-stroke the rider will commence in C grade. Any 65cc rider going to Mini Wheel class must ride at the equivalent grade.

21.3.0.10 When a rider who has ridden in the 85cc 2-stroke or 150cc 4-stroke Small Wheel class goes to Junior Big Wheel 85cc/100cc 2-stroke or 150cc 4-stroke class, they must ride at the equivalent grade.

21.3.0.11 When a rider who has ridden in any 50cc class goes up to any other class the rider will commence the new class in C grade.

21.3.0.12 When a rider goes from the 65cc class to any 85cc/100cc 2-stroke or 150cc 4-stroke class the rider will drop one grade.

21.4 GENERAL RULES

21.4.1 Helmet Cameras

21.4.1.1 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.

21.5 PROTECTIVE CLOTHING AND HELMETS

21.5.0.1 No competitor may practice, start or compete in any Minikhana competition unless wearing the protective clothing and equipment as outlined in Appendix A: Protective Clothing and Equipment:

21.6 MACHINE AND RIDER IDENTIFICATION

21.6.1 Rider Identification

21.6.1.1 All competitors must wear an approved riding vest or jersey with club and rider number identification as an outer garment.

21.6.2 Minikhana Number Plates

21.6.2.1 The background and figure colour on the front and side number plates (the size of which will be as per manufacturer's specification) for each grade within a class, except for the Senior Combined and Demonstration class, will be as follows:

CLASS/GRADE	BACKGROUND COLOUR	FIGURE COLOUR
A Grade	Yellow	Black
B Grade	Red	White
C Grade	White	Black

21.6.2.2 For the Senior Combined class and Demonstration class, the colours will be as follows:

CLASS	BACKGROUND COLOUR	FIGURE COLOUR
Demonstration	Green	White
Senior Combined	Black	White

21.7 RACE MEETING PROTOCOLS

21.7.0.1 A machine may only be ridden by one rider during a meeting and may not be substituted for another.

21.7.0.2 Placings can only be achieved by the correct completion of an event.

21.7.1 Flags and Signals

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

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

21.7.1.3 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.

21.7.1.4 Competitors who do not obey flag signals will be excluded from the event.

21.7.2 Scoring

21.7.2.1 For Open, Inter-club or Championship meetings, points will be awarded as listed below:

- a) Club: the club amassing the highest score using the table below will be the winning club;
 - i) Club points are allocated to the club for which the rider nominates when entering the meeting. The points are only allocated for finishing 1st, 2nd or 3rd overall in a grade for that particular meeting,
- b) Individual: the competitors amassing the highest point score in each grade shall be the winner of that grade for that particular meeting.
 - ii) Individual points set out in the table below are allocated to a competitor for finishing 1st, 2nd or 3rd in an individual event.

PLACING	CLUB POINTS	INDIVIDUAL POINTS
1st	3 points	17 points
2nd	2 points	12 points
3rd	1 point	9 points

21.7.2.2 For other than Trials, ties for 1st or 2nd will be resolved by a run-off between the tied competitors. Trials will be resolved by a count back. Competitors tied for 3rd will each be awarded 3rd place.

21.7.2.3 For all other events the method of scoring will be as prescribed in supplementary regulations.

21.7.3 Starts

21.7.3.1 All starts shall be from the right hand end of the Start/Finish line facing towards the course.

21.7.3.2 All starts shall be flag starts.

21.7.3.3 Minicross starts may be by mechanical means.

21.7.3.4 Footing areas shall be on the start/finish line side of marker 1 and on the opposite side for all other markers.

21.7.3.5 Unless otherwise stated, only the left foot may be used when footing permitted.

21.7.3.6 Start and finish of an event is deemed to be when:

- a) The front axle crosses the start line, and
- b) The front axle crosses the finish line.

21.7.3.7 Competitors are to stop competing and remain stationary when shown the black flag except in the case of Minicross where the competitor must stop competing and return to the starting area in a safe manner following the direction of the track. The marshal will display the black flag until acknowledged by the event controller.

21.7.3.8 Competitors must be informed of faults when reported by either the flag marshal or an official at the time the fault occurs if the competitor indicates to the flag marshal or Official that they are uncertain of what fault(s) has occurred.

21.7.3.9 A minimum of four lanes will be available per each event area. Competitors are to draw for lanes.

21.7.3.10 The number of heats will be maximised to ensure maximum amount of competitors compete in the Final while not unduly increase the total number of heats.

21.7.3.11 Use the following table to calculate numbers of riders in heats:

TOTAL NUMBER OF RIDERS	NUMBER IN HEATS									
4	+4									
5	+3	+2								
6	+2	+2	+2							
7	+3	+2	+2							
8	+2	+2	+2	+2						
9	+3	+2	+2	+2						
10	+3	+3	+2	+2						
11	+3	+3	+3	+2						
12	+3	+3	+3	+3						
13	+4	+3	+3	+3						
14	+4	+4	+3	+3						
15	+4	+4	+4	+3						
16	+4	+4	+4	+4						
17	+2	+3	+3	+3	+3	+3				
18	+3	+3	+3	+3	+3	+3				
19	+4	+3	+3	+3	+3	+3				
20	+4	+4	+3	+3	+3	+3				
21	+4	+4	+4	+3	+3	+3				
22	+4	+4	+4	+4	+3	+3				
23	+4	+4	+4	+4	+4	+3				
24	+4	+4	+4	+4	+4	+4				
25	+4	+4	+3	+3	+3	+3	+3	+3		
26	+4	+4	+3	+3	+3	+3	+3	+3		
27	+4	+4	+4	+3	+3	+3	+3	+3		
28	+4	+4	+4	+4	+3	+3	+3	+3		
29	+4	+4	+4	+4	+4	+3	+3	+3		
30	+4	+4	+4	+4	+4	+4	+3	+3		
31	+4	+4	+4	+4	+4	+4	+4	+3		
32	+4	+4	+4	+4	+4	+4	+4	+4		
33	+4	+4	+4	+4	+4	+4	+3	+3	+3	
34	+4	+4	+4	+4	+4	+4	+4	+3	+3	
35	+4	+4	+4	+4	+4	+4	+4	+4	+3	
36	+4	+4	+4	+4	+4	+4	+4	+4	+4	
37	+4	+4	+4	+4	+4	+4	+4	+4	+3	+3
38	+4	+4	+4	+4	+4	+4	+4	+4	+4	+3
39	+4	+4	+4	+4	+4	+4	+4	+4	+4	3+
40	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4

21.7.3.12 The official of the event shall advise each competitor of successful completion of the course.

21.7.3.13 Competitors must complete the course to win the event:

- a) If all competitors in a Final fault, one re-run must occur and if the re-run is unsuccessfully completed the last competitor to fault shall be declared the winner,
- b) If there are insufficient competitors for more than one heat then the heat will be deemed to be the Final. There will be no re-runs if all riders fault. Only riders successfully completing the course can place in the event. Riders must complete the course to gain a place.

21.7.4 Fault

21.7.4.1 Fault, as defined by elimination faults for each event:

- a) Competitors making more than two false starts in an event shall be eliminated,
- b) Only successful completion of an event will allow competitors to progress to the next round,
- c) Allowing front axle to cross into the footing area of a marker already completed will be deemed to have not followed the course procedure,
- d) Only competitors having been equally placed in their heat/semi-finals may compete against each other in a Final (that is, 1st v 1st, 2nd v 2nd and so on).

SECTION 21C: TECHNICAL REGULATIONS

21.8 SOUND EMISSIONS

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

21.8.1 Specifications

21.8.1.1 Sound emissions are set out in the table below:

2 Metre Max Method	
DISCIPLINE	LIMIT dB(A)
Minikhana	112 with a 4dB(A) allowance

21.8.1.2 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 21.8.1.1.

21.8.2 Use of Sound Level Meters

21.8.2.1 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.

21.8.2.2 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,

21.8.2.3 '2 Metre Max' set up of the sound meter and the motorcycle:

- a) The sound levels will be measured with the sound meter/microphone fixed on a tripod, in the horizontal position, at the rear of the motorcycle.
- b) For the place and position of the motorcycle, ensure that there are no solid obstacles within a 10 metre radius of the microphone.
- c) The sound meter will be positioned at a distance of two metres behind the motorcycle, with an angle of 45° away from the centerline, on the exhaust side and at a height of 1.35 metres above the ground, with the sound meter level.
- d) The two metre distance is measured from the point where the centre of rear tyre touches the ground.
- e) It is preferred that the tests are conducted on soft ground, to prevent reverberation, for example, grass or fine gravel.
- f) In other than moderate wind, machines should face forward in to the wind direction.

- g) The ambient sound level must remain lower than 100 dB/A.
- 21.8.2.4 '2 Metre Max' positioning of the motorcycle:

The reference points:

- a) For a motorcycle: the contact point of the rear wheel on the ground.
- b) For motorcycles fitted with two exhaust outputs, the measurement will be made on the side of the air intake. If a central positioned air intake is used, both sides will be tested.
- c) For Sidecars: the contact point of the side wheel on the ground.
- d) For ATV vehicles: the vertical line to the ground from the centre point of the rear axle.
- e) For ATV vehicles with exhaust outlet moved from the median axis, the measurement will be made on the offset side. To make repetitive measurements, all motorcycles can be positioned into a small frame fixed on the ground.

21.8.2.5 '2 Metre Max' method:

- a) The measurement is made with the motorcycle on its wheels, with a hot engine.
- b) During a sound test, machines not equipped with a gear box neutral must be placed on a stand.
- c) The SCO should stand beside the motorcycles, opposite the microphone and not screen or stand between the bike and the microphone. An assistant, placed on the left side of the motorcycle, shall disengage the clutch.
- d) The SCO shall open the throttle as fast as possible until full open throttle (instantly, within 0.3 seconds) and keep at max engine 'rpm' for at least one second. To end, the SCO will release the throttle quickly.
- e) If the result exceeds the limit, including 'after fire', the Inspector shall test the motorcycle a maximum of two more times.
- f) For motorcycles equipped with an engine rpm limiter, opening the

throttle will be made - instantly, within 0.3 seconds - and kept open until at least one second has evolved and/or when there is an audible sign of over revving the engine.

- g) For motorcycles without an engine 'rpm' limiter, the opening of the throttle will have to be lower than two seconds and/or when there is an audible sign of over-revving the engine.
- h) If the engine tends to suffocate, close the throttle slightly and re-open the throttle.
- i) If detonations appear, the measurement must be started again.
- j) The numbers obtained from the test shall not be rounded down.
- k) For the sound level measurement, the handling of the throttle is limited only to the SCO, who shall open the throttle himself in order to minimize the influence by another operator (for that, it is helpful to have the microphone equipped with an extension cable to the sound meter).

21.8.2.6 Tests shall not take place in the rain

21.8.3 Machine Testing

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

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

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

21.8.4 Sound Control during Competition

21.8.4.1 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.

21.8.4.2 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.

21.9 FUEL**21.9.1 Fuel Warning**

- 21.9.1.1 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.
- 21.9.1.2 Some of the components of fuel and lubricants are suspected of having the potential to cause cancer in rare circumstances.
- 21.9.1.3 The use of petrol as a general cleaning and washing agent is a common misuse of a potentially dangerous substance.
- 21.9.1.4 Fuels should be used and stored with extreme care and in accordance with the manufacturer's instructions.

21.9.2 Refueling

- 21.9.2.1 During refueling, each machine must be stationary with the engine stopped.
- 21.9.2.2 Refueling will be deemed to have commenced when the fuel tank has been opened and completed when the tank is closed.
- 21.9.2.3 Smoking is strictly prohibited in areas where refueling is permitted.
- 21.9.2.4 Riders are liable for exclusion from an event for failing to adhere to GCR 21.9.2.3, and are responsible for the actions of their mechanics and support team members.

21.10 ENGINES

- 21.10.0.1 The maximum capacity of any engine in Minikhana is 100cc 2-stroke or 150cc 4-stroke.

21.11 FRAMES AND PARTS**21.11.1 General**

- 21.11.1.1 All machines must remain standard with the manufacturer's specifications with the exception of:
 - a) Exhaust system,
 - b) Gearing,
 - c) Carburettor jetting,
 - d) Plastics,
 - e) Handlebars,
 - f) Rear shock absorber(s).

- 21.11.1.2 All glass and plastic lenses shall be either removed or covered with a fabric backed tape.

- 21.11.1.3 Front and rear mudguards to be fitted.

21.11.2 Brakes

- 21.11.2.1 Efficient brakes must be fitted as per manufacturer's specifications.
- 21.11.2.2 When the brake arm or lever is of the open or hooked type, the brake actuating rod or cable must be secured so as to prevent accidental dislodgment.

21.11.3 Handlebars

- 21.11.3.1 An ignition cut out switch, operating on the primary circuit must be fitted to the handlebars in an accessible position.
- 21.11.3.2 Handlebar pads must be fitted over crossbar or handlebar mounting clamp.
- 21.11.3.3 Handlebar ends must be securely plugged.
- 21.11.3.4 Handlebar lever protectors, where fitted, must be single mounted.

21.11.4 Wheels

- 21.11.4.1 Wheel sizes:

CLASS	FRONT	REAR
Miniwheel	14"	12"
Standard Wheel	17"	14"
Big Wheel	19"	16"



21.12 JUNIOR CLASSES

21.12.1 50cc Demo Class Machines

21.12.1.1 Machine Requirements:

- a) Engine capacity must not exceed 50cc,
- e) The clutch must be of centrifugal type,
- f) Wheels as per GCR 12.27.2 must be fitted,

21.12.2 50cc Auto Class Machines

21.12.2.1 Eligible Machines are (for all Open events):

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.

21.12.2.2 Machine Requirements:

- a) Engine capacity must not exceed 50cc,
- b) The gearbox must have one gear,
- c) External gearing may be altered,
- d) The clutch must be of centrifugal type, and of OEM type,

- e) Wheels as per GCR 12.24.2 must be fitted,
- f) All machines must remain standard to the OEM specifications for the model. Only the following items may be modified:
 - i) Colour,
 - ii) Seat,
 - iii) Mudguards,
 - iv) Handlebars,
 - v) Grips,
 - vi) Levers,
 - vii) Cables,
 - viii) Chains,
 - ix) Tyre brand and tread pattern,
 - x) Carburettor jets
- g) 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 gusseting and strengthening must be available at machine examination,~~
- h) Throttle limiting devices may be removed,
- i) A separate kill switch may be installed in place of the standard,
- j) Steel serrated foot pegs may replace standard rubber pegs,
- k) Handlebars must be securely plugged. The width of handlebars must be not less than 600mm and not more than 850mm,
- l) Aftermarket exhaust systems and silencers are permitted.

21.12.3 Electric Machines

21.12.3.1 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"

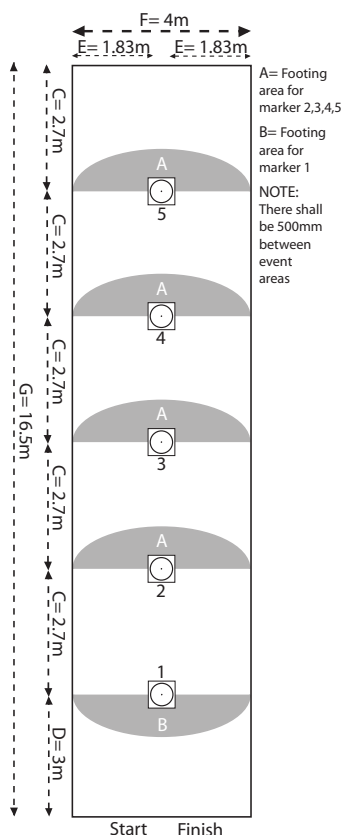
SECTION 21D: MINIKHANA COURSES

21.13 BASIC COURSE
(SEE DIAGRAM FOR DETAILS)

- 21.13.0.1 The basic course layout for one competitor will cover an area of four (4) metres by 16.5 metres.
- 21.13.0.2 The side and end boundary of the course shall be marked with lane tape or rope.
- 21.13.0.3 Traffic cones (witches hats) will be used as the required markers placed along the centre line of the course at 2.7 metre spacings.

A = Footing area for marker 2, 3, 4, 5	D = 3.0 metres
B = Footing area for marker 1	F = 4 metres
C = 2.7 metres	G = 16.5 metres

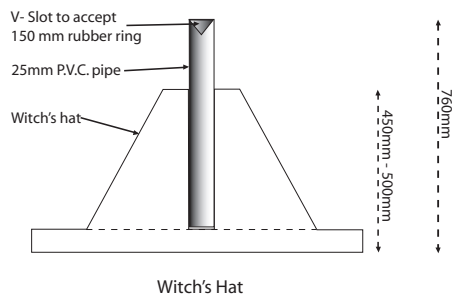
Note: There shall be 500mm between event areas.

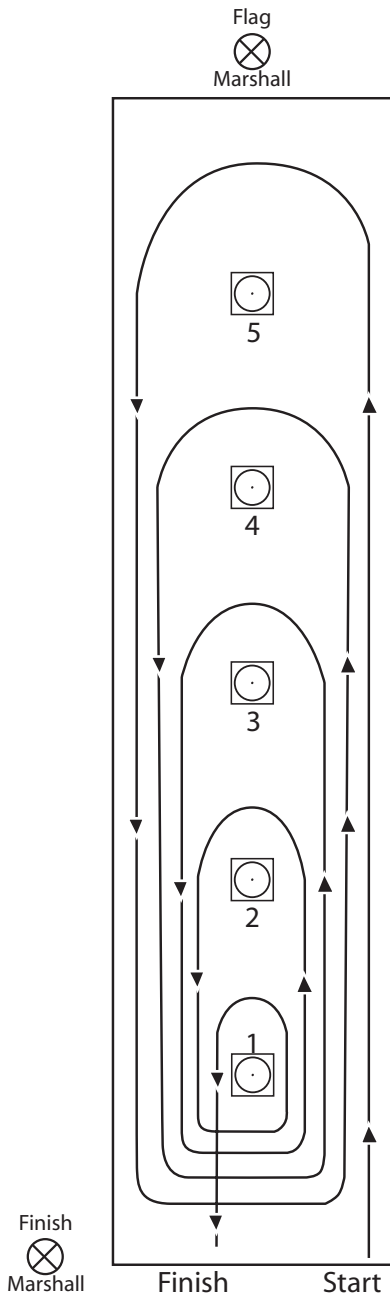


Basic Course
not drawn to scale

21.14 ORANGE COURSE
(SEE DIAGRAM FOR DETAILS)

- 21.14.1 Orange Course Procedure
 - 21.14.1.1 Competitor starts at the Start line and keeping traffic cone markers to his / her left circles marker 5, returns to pass marker 1 and then continues to pass marker 1.
 - 21.14.1.2 This is repeated reducing the course length by 1 marker per circuit until after circling marker 1 the competitor then continues to cross the finish line.
 - 21.14.1.3 Unlimited footing with the left foot is permitted.
 - 21.14.1.4 In case of machine stalling, the competitor may re-start the engine ensuring only the left foot makes contact with the ground.
 - 21.14.1.5 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.
 - 21.14.1.6 The competitor who had the lowest elapsed time will be the winner of that round of events.
- 21.14.2 Orange Course Elimination
 - 21.14.2.1 Competitors will be eliminated from the event for the following:
 - a) Touching markers or tapes,
 - b) Footing with the right foot,
 - c) Removing both hands from handlebars,
 - d) Not straddling machine,
 - e) Failing to follow course procedure,
 - f) Crossing the start / finish line before course is completed,
 - g) Front axle passing into defined footing area of previously rounded marker.





Orange
not drawn to scale

21.15 LOOPING (SEE ORANGE DIAGRAM FOR DETAILS)

21.15.1 Looping Course and Procedure

- 21.15.1.1 This uses the same course and riding procedure as the Orange event with the exception that footing is not permitted.
- 21.15.1.2 Competitors who stall their machine may re-start provided that neither foot makes contact with the ground.
- 21.15.1.3 Competitors will also be eliminated if either foot makes any contact with the ground.
- 21.15.1.4 Finishing order will be achieved as in the Orange event.

21.16 RING RETURN COURSE (SEE DIAGRAM FOR DETAILS)

- 21.16.0.1 This uses the basic course layout with the addition of poles in the centre of the traffic cone and rubber rings.
- 21.16.0.2 Plumber's rings approximately 150 mm inside diameter to be used.
- 21.16.0.3 The pole to be inserted in the traffic cone as per Witch's Hat diagram.
- 21.16.0.4 Rubber rings to be placed on poles at markers 2, 3, 4, & 5 on the side furthest from the start / finish line.

21.16.1 Ring Return Procedure

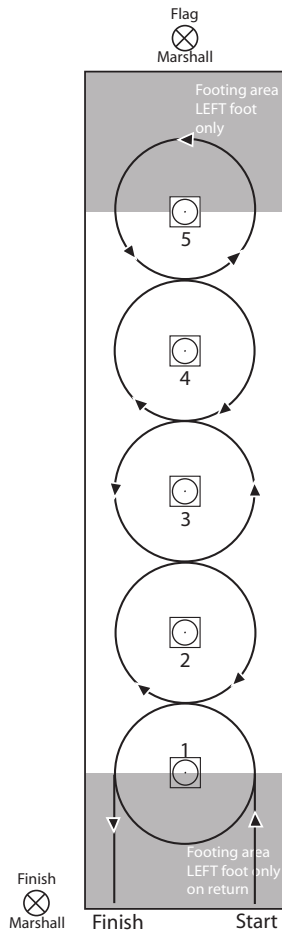
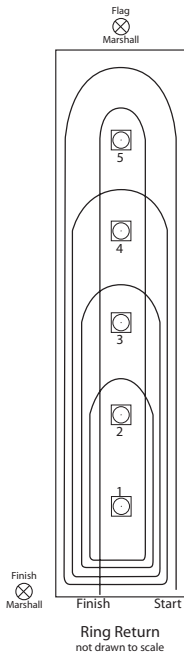
- 21.16.1.1 Competitor starts at the Start line and keeping traffic cone markers to their left circles marker 5, picking up the ring and returns to pass marker 1 and places ring over marker 1 pole and then continues to pass marker 4 repeating the process of retrieving the rings.
- 21.16.1.2 This is repeated reducing the course length by 1 marker per circuit until after circling marker 2.
- 21.16.1.3 After the final ring is placed over marker 1 pole they then complete an extra circuit around marker 5 before crossing the finish line.
- 21.16.1.4 Footing with the left foot is permitted in the footing areas only.
- 21.16.1.5 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.
- 21.16.1.6 The competitor who had the lowest

elapsed time will be the winner of that round of the event.

21.16.2 Ring Return Elimination

21.16.2.1 Competitors will be eliminated from the event for the following:

- a) Touching markers, poles or tapes. Poles may only be touched by the hand during removal or placement of the ring over the pole,
- b) Footing with the right foot,
- c) Footing with the left foot outside of the footing area,
- d) Removing both hands from handlebars,
- e) Not straddling machine,
- f) Failing to follow course procedure,
- g) Crossing the start / finish line before course is completed,
- h) Front axle passing into defined footing area of previously rounded marker,
- i) Dropping ring allowing it to touch the ground,
- j) Causing ring to fall over marker while attempting to pick up ring.



21.17 BENDING COURSE (SEE BASIC DIAGRAM FOR DETAILS)

21.17.0.1 Basic course with traffic cones only to be used.

21.17.1 Bending Procedure

21.17.1.1 Competitors start at the Start line and passes marker 1 on competitors left side, then changes direction to pass marker 2 on competitors right side, marker 3 on competitors left side, marker 4 on competitors right side and circles marker 5 on competitors left side and returns to the finish line passing the markers in the

same manner, i.e. markers 4 and 2 on competitor's right side and markers 3 and 1 on competitors left.

21.17.1.2 Crossing the finishing line after passing marker 1.

21.17.1.3 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.

21.17.1.4 The competitor who had the lowest elapsed time will be the winner of that round of the event.

21.17.2 Bending Elimination

21.17.2.1 Competitors will be eliminated from the event for the following:

- a) Touching markers or tapes,
- b) Footing with the right foot,
- c) Footing outside footing area behind marker 5,
- d) Removing both hands from handlebars,
- e) Not straddling machine,
- f) Failing to follow course procedure.

21.18 RING BENDING COURSE (SEE DIAGRAM FOR DETAILS)

21.18.0.1 This uses the basic course layout with the addition of poles in the centre of the traffic cone and three rubber rings. Rubber rings will be placed on the pole in marker 5, one per time by an official.

21.18.1 Ring Bending Procedure

21.18.1.1 Competitors will ride the course in the same manner as in the Bending event with the exception that when circling marker 5 the competitor removes three rubber ring from the pole (official will place next rubber ring on marker 5 pole) and then proceeds to marker 1 as in the Bending event.

21.18.1.2 Competitor will circle marker 1 and place rubber ring over the pole in marker 1 and will then continue the event until all three rubber rings have been placed over marker 1 when the competitor will cross the finish line.

21.18.1.3 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.

21.18.1.4 The competitor who had the lowest elapsed time will be the winner of that round of the event.

21.18.2 Ring Bending Elimination

21.18.2.1 Competitors will be eliminated from the event for the following:

- a) Touching markers, poles or tapes. Poles may only be touched by the hand during removal or placement of the ring over the pole,
- b) Footing with the right foot,
- c) Footing with the left foot outside of the footing area,
- d) Removing both hands from handlebars,
- e) Not straddling machine,
- f) Failing to follow course procedure,
- g) Crossing the start / finish line before course is completed,
- h) Dropping ring allowing it touch the ground,
- i) Causing ring to fall over marker while attempting to pick up ring.

21.19 SLOW COURSE (SEE DIAGRAM FOR DETAILS)

21.19.0.1 The course will be a lane 500mm wide by 16.5 metres long.

21.19.1 Slow Course Procedure

21.19.1.1 Competitor will start with the machine's front axle on the Start line.

21.19.1.2 At the start order the competitor has a maximum of three seconds to enter the event area (front axle passes start line) and ensure their feet are not in contact with the ground.

21.19.1.3 Forward motion does not have to be maintained.

21.19.1.4 Event is complete when front axle passes finish line.

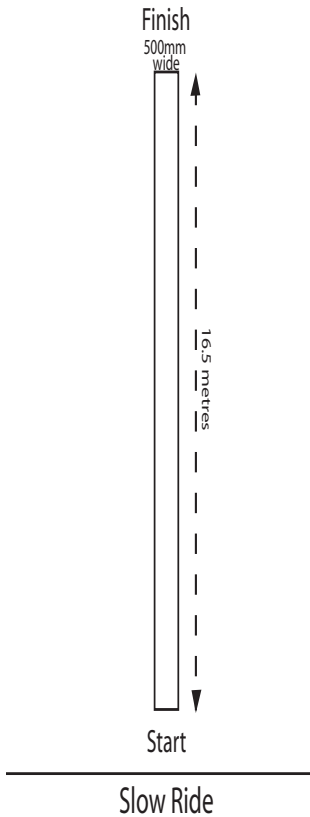
21.19.1.5 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.

21.19.1.6 The competitor who had the highest elapsed time will be the winner of that round of the event.

21.19.2 Slow Course Elimination

21.19.2.1 Competitors will be eliminated from the event for the following:

- Slow start (feet in contact with ground after three seconds),
- Touching tapes,
- Footing.

21.20 CLOVER COURSE
(SEE DIAGRAM FOR DETAILS)

21.20.0.1 Competitors will ride passing through the six markers placed in a triangle to form a clover pattern.

21.20.0.2 Car tyres or a marker of similar dimensions will be used as course markers.

21.20.1 Clover Procedure

21.20.1.1 Competitors will start from Start line and circles marker 1 on their left side then circle marker 2 on their right then circle marker 3 on their right and exit through the start / finish line markers.

21.20.1.2 Competitors may foot providing that both feet do not touch the ground at the same time and there shall be no determining factors as to when the left or right footing commences or ceases other than the requirement that the left foot may touch for left turns and right foot for right turns.

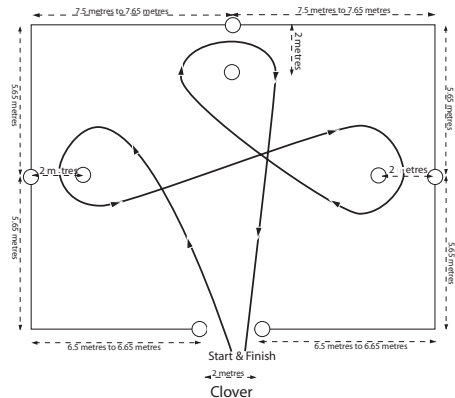
21.20.1.3 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.

21.20.1.4 The competitor who had the lowest elapsed time will be the winner of that round of the event.

21.20.2 Clover Elimination

21.20.2.1 Competitors will be eliminated from the event for the following:

- Touching a marker,
- Both feet making contact with the ground at the same time,
- Failure to follow the course procedure,
- Riding outside the course boundary.



21.21 NO FOOTING CLOVER COURSE (SEE DIAGRAM FOR DETAILS)

- 21.21.0.1 This uses the same course and riding procedure as the Clover event with the exception that footing is not permitted.
- 21.21.0.2 Competitors will also be eliminated if either foot makes any contact with the ground.
- 21.21.0.3 Finishing order will be achieved as in the Clover event.

21.22 START AND PARK COURSE (SEE DIAGRAM FOR DETAILS)

- 21.22.0.1 The basic course layout will cover an area of six (6) metres by 20 metres.
- 21.22.0.2 The side and end boundary of the course shall be marked with lane tape or rope.
- 21.22.0.3 Witch's hats will be used as the required markers placed along the centre line of the course at four metre spacings.

21.22.1 Start and Park Procedure

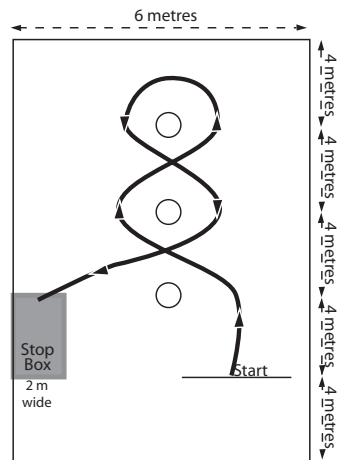
- 21.22.1.1 Four or more competitors will start at the start line and proceed to pass the markers, marker 1 to the competitors' left, marker 2 to the competitors' right and circle marker 3 to their left and return passing marker 2 to their right and then proceeds to the stopping area, where the competitor will stop their machine, turn off the engine and place the machine on its stand, then run to the finishing line.
- 21.22.1.2 Competitors whose machine has no stand may have an assistant appointed by the Clerk of Course to hold the machine.

21.22.2 Start and Park Elimination

- 21.22.2.1 Competitors will be eliminated from the event for the following:
 - a) Touching a marker,
 - b) Footing,
 - c) Bumping,
 - d) Failure to follow the course procedure,
 - e) Riding outside the course boundary,
 - f) Stopping and parking machine outside of stopping area,
 - g) Failure to turn engine off,
 - h) Machine failing to remain on stand.

21.23 O RING RELAY COURSE (SEE DIAGRAM FOR DETAILS)

- 21.23.0.1 This uses the same course and riding procedure as the Start and Park event with the exception that competitors will be in teams.
- 21.23.0.2 An O ring, as used in the Ring events, shall be carried by each competitor in turn whilst riding the course.
- 21.23.0.3 Competitors cannot start their leg of the relay until the previous competitor has successfully completed the course and passed on the O ring.



Start and Park

not drawn to scale

21.24 ACCELERATION AND BRAKING COURSE

- 21.24.0.1 This event is conducted on an out and back course.
- 21.24.0.2 A marker is placed 50 metres from the start / finish line.
- 21.24.0.3 Competitors will leave start line circle the marker and return to the stop box.
- 21.24.0.4 Competitor's machine must be completely in the confines of the stop box.
- 21.24.0.5 Footing with left foot is only permitted at the marker on the side opposite to the start line and in the stop box.
- 21.24.0.6 The competitor who successfully completes the course with the lowest elapsed time will be the winner.

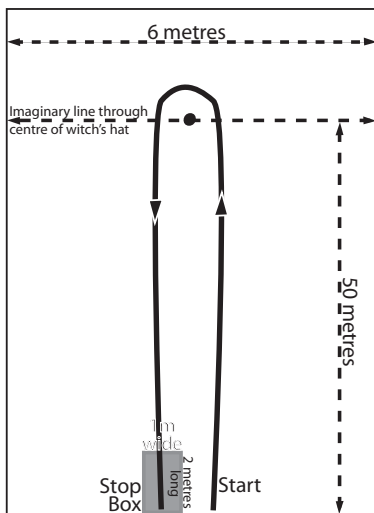
21.24.0.7 The nature of this type of event precludes it being used as a run-off event.

21.24.1 Acceleration and Braking Course Elimination

21.24.1.1 Competitors will be eliminated from the event for the following:

- a) Footing with right foot,
- b) Footing outside the area behind marker,
- c) Touching the marker,
- d) Bike not stopping within stopping box (i.e. both axles must be wholly within the stopping box),
- e) With machine correctly in stopping box, left foot only footing is permitted either in or out of the stopping box without elimination,
- f) Remove both hands from handlebar,
- g) Not straddling machine,
- h) Failure to follow course procedure,
- i) Riding outside the course boundary

21.24.1.2 The event has only been completed once the pencil has indicated to the rider that the bike can leave the box.



Acceleration & Braking

not drawn to scale

21.25 MINICROSS COURSE

21.25.0.1 Minicross introduces competitors to Motocross style riding and helps to develop competitors riding skills and balance.

21.25.0.2 The event shall be conducted over a course with obstacles and tight corners:

- a) No level straight will be longer than 20 metres,
- b) Jumps, chicanes, berms etc must be positioned so that speeds are kept low,
- c) The recommended maximum separation between obstacles, which significantly reduce speed, is 33 metres,
- d) There shall be no double, triple, or reverse canyon jumps. A jump is defined as being greater than 500mm in vertical height,
- e) There will be no man-made stutter jumps,
- f) The width of the track must allow safe overtaking,
- g) Tyre barriers shall be used where different sections of the track are in close proximity to each other,
- h) The first nine metres of the track will be divided into four (4) two-metre wide lanes.

21.25.1 Minicross Procedure

21.25.1.1 A maximum of four competitors will complete the course at once.

21.25.1.2 Competitors will be encouraged to pass each other when it is safe to do so.

21.25.1.3 When passing, competitors must not make contact with the other competitors.

21.25.1.4 Competitors must ensure that at all times they do not obstruct another competitor from successfully completing the course.

21.25.1.5 In the case of a competitor falling the event will be stopped if it is deemed that the track is unsafe for the competition to continue. The Competitor responsible for the fall shall be excluded from the re-run subject to Clerk of Course approval.

21.25.1.6 Competitors who hit the tyre barriers or leave the course proper may re-enter the course at the closest safe point to where they left the course ensuring that no advantage is gained.

21.25.2 Minicross Practice

21.25.2.1 For practice, a maximum of 12 competitors may participate on the track under a stationary yellow flag.

21.25.2.2 Any competitor passing will be excluded, however in the case of a competitor falling or stopping due to mechanical failure, the yellow flag shall be waved, but passing may be permitted provided the Course Marshall indicates it is safe. Passing after the first lap may be allowed if approved by the Clerk of Course.

21.25.3 Minicross Elimination

21.25.3.1 Competitors will be eliminated from the event for the following:

- a) Crossing the lane markers during the first nine metres of the event,
- b) Failure to follow the course proper,
- c) Causing another competitor to fault,
- d) Failure to re-enter course correctly,
- e) Passing while yellow flag is displayed.

21.25.4 Minicross Footing and No Footing

21.25.4.1 Minicross can be conducted as either a footing or no-footing event. In No-Footing Minicross any competitors will be eliminated if footing occurs.

21.26 MINI TRIALS COURSE

21.26.0.1 Where possible this event is to be conducted over natural terrain.

21.26.0.2 Artificial boundaries and obstacles may be used.

21.26.0.3 The course will be marked in red on the right hand side and in white on the left hand side by either markers or tape.

21.25.0.4 Minimum size of markers to be no less than 100mm wide.

21.25.0.5 Tapes and markers to be clearly visible.

21.26.1 Mini Trials Procedure

21.26.1.1 The start and finish of each Observed Section is to be clearly defined.

21.26.1.2 Artificial boundaries may be used to define the lateral limits.

21.26.1.3 A machine will be deemed to be in an Observed Section when the front axle passes the "Section Begin" marker and until it passes the "Section End" marker.

21.26.2 Mini Trials Failure

21.26.2.1 A failure is considered to have occurred when:

- a) The machine ceases to move in a forward direction, relative to the course, with the competitor footing,
- b) The competitor dismounts the machine,
- c) The machine crosses a boundary,
- d) The machine passes the wrong side of a boundary marker prior to the front axle passes the "Section Ends" sign,
- e) The competitor or the machine receives outside assistance,
- f) The competitor breaks the tape or dislodges the tape anchors.

21.26.3 Mini Trials Footing

21.26.3.1 Footing will be deemed to have occurred if any part of the body of the competitor touches the ground or any part of the competitor leans on an obstacle (tree, wall, etc).

21.26.3.2 Footing outside the lateral limits of a section does not constitute a failure (i.e. 1 point loss footing penalty only).

21.26.3 Mini Trials Marking

21.25.3.1 Method of marking will be as listed:

FAULT	POINTS
Clean	0
Footing once	1
Footing twice	2
Footing more than twice	3
Failure	5
Not attempting a section	10

21.27 MINI ENDURO COURSE

21.27.0.1 This event is conducted over varying distances of rough terrain.

21.27.0.2 Competitors learn the benefits of well-maintained and reliable machinery and the ability to pace themselves.

21.27.1 Mini Enduro Procedure

21.27.1.1 Competitors have a predetermined time to complete the course.

21.27.1.2 The competitor whose time is closest to the predetermined time will be the winner.

21.27.1.3 The natural terrain course is to be well defined with directional arrows and adequately staffed by marshals.

21.27.1.4 Special sections may be added.

21.27.1.5 Points will be lost for failure to observe signs and completion of special sections.

21.27.1.6 Competitors are rewarded for their skill in completing the penalty areas.

21.27.1.7 A number of penalty areas and checkpoints should be included.

21.27.1.8 Each grade is to attempt to complete a preset number of laps in a reasonable time.

21.27.1.9 In Mini Enduro with special penalty sections the competitor with the least points lost will be the winner.

21.27.2 Hill Climb Course

21.27.2.1 The course for this event will be a hill which can be readily negotiable by the competitors.

21.27.3 Hill Climb Procedure

21.27.3.1 To increase the skill level a series of turns and obstacles will be included.

21.27.3.2 The competitor whose elapsed time to successfully complete the event is closest to the predetermined time shall be the winner.

21.27.3.3 Only one competitor will ride the event at a time.

21.28 FIGURE 8 COURSE (SEE DIAGRAM FOR DETAILS)

21.28.0.1 This event is conducted on an out and back course.

21.28.0.2 Markers are placed 20 and 50 metres from the start / finish line.

21.28.0.3 Competitors will leave start line circle the markers in a Figure 8 course and return to the stop box.

21.28.0.4 Competitors machine must be completely in the confines of the stop box.

21.28.0.5 Footing with left foot is only permitted at the left turn 50m marker on the side of the Start line.

21.28.0.6 Footing with the right foot is only permitted at the right turn 20m marker on the side of the Start line.

21.28.0.7 Footing with left foot is only permitted in the stop box.

21.28.0.8 The competitor who successfully completes the course with the lowest elapsed time will be the winner.

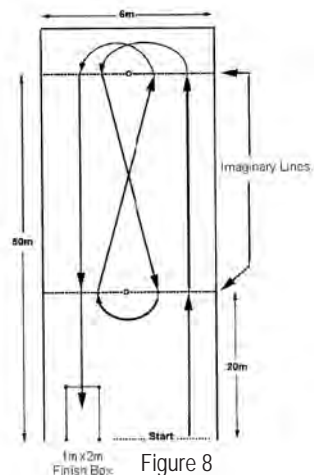
21.28.0.9 The nature of this type of event precludes it being used as a run-off event.

21.28.1 Figure 8 Course Elimination

21.28.1.1 Competitors will be eliminated for the following

- Footing with right foot during left turn at 50m marker,
- Footing outside the area behind 50m marker,
- Footing with left foot during right turn at 50m marker,
- Footing outside the area behind 20m marker,
- Touching the marker,
- Bike not stopping within stopping box (i.e. both axes must be wholly within the stopping box),
- With machine correctly in stopping box, left foot only footing is permitted either in or out of the stopping box without elimination,
- Failure to follow course procedure,
- Riding outside the course boundary.

21.28.1.2 The event has only been completed once the penciller has indicated to the rider that the bike can leave the box.



21.29 RING CLOVER COURSE (SEE DIAGRAM FOR DETAILS)

21.29.0.1 Competitors will ride passing through the six markers placed in a triangle to form a clover pattern.

21.29.0.2 Car tyres or markers of similar dimensions will be used as course markers on the outside of each turn and witches hats, poles and rubber rings on the inside of each turn. In addition a witches hat and pole is to be located in the in the centre of the event area.

21.29.0.3 Competitors may pass centre cone on either side.

21.29.1 Ring Clover Procedure

21.29.1.1 Competitors will start from Start line and circle marker 1 on their left side picking up the first ring from cone 1 then drop the ring on the centre cone then circle marker 2 on their right and pick up the second ring. They will then drop the ring on the centre cone then circle marker 3 on their right and pick up the third ring and then drop the ring on the centre cone and exit through the start / finish line markers.

21.29.1.3 Competitors may foot providing that both feet do not touch the ground at the same time and there shall be no determining factors as to when the left or right footing commences or ceases other than the requirement that the left foot may touch for left turns and right foot for right turns and the left foot for dropping off the rings at the centre cone.

21.29.1.4 The finishing order shall be the elapsed time of competitors who have successfully completed the course per heat / semi-final / Final.

21.29.1.5 The competitor who had the lowest elapsed time will be the winner of that round of events.

21.29.2 Ring Clover Elimination

21.29.2.1 Competitors will be eliminated from the event for the following:

- Touching a marker, poles may only be touched by the hand during removal or placement of the ring over the pole,
- Both feet making contact with the ground at the same time,

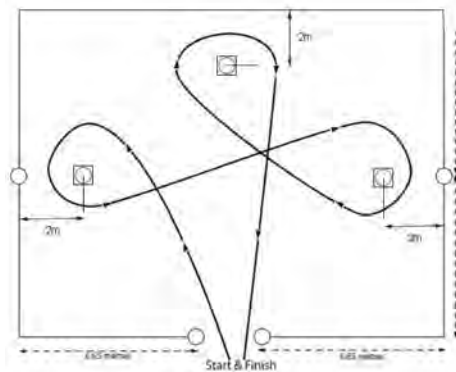
- Failure to follow the course procedure,
- Riding outside the course boundary,
- Removing both hands from handlebars,
- Not straddling machine,
- Crossing the start / finish line before course is completed,
- Dropping ring or allowing it touch the ground,
- Causing ring to fall over marker while attempting to pick up ring,

21.30 NO FOOTING RING CLOVER COURSE (SEE DIAGRAM FOR DETAILS)

21.30.0.1 This uses the same course and riding procedure as the Ring Clover event with the exception that footing is not permitted.

21.30.0.2 Competitors will also be eliminated if either foot makes any contact with the ground.

21.30.0.3 Finishing order will be achieved as in the Ring Clover event.



Footing & Non-Footing Ring Clover