

- 10.1 A competitor entering a motorcycle for an event must sign a machine compliance disclaimer form even if the machine examination has taken place. For all Road Race sidecars, machines examination is compulsory, all Road Race sidecar competitors hold specialised log books for machine examination purposes. Random checking of all other machines may take place before, during or after an event by a competent motorcycle examiner. Clubs who desire to check all machines at any event may do so with a machine examiner. Competitors may be penalised or disqualified for entering a machine that does not comply with minimum MNZ requirements. The Steward of the meeting may also exclude any machine or equipment considered unsafe for the event.
- 10.1a The machine examiner may ask for the removal of the main fairing on road racing sidecars, for inspection purposes.
- 10.1b At all times the onus is on the competitor to ensure that their equipment is being operated within the specifications and limits (if any) imposed by the equipment manufacturer or supplier.
- 10.1c Failure to present machine for technical inspection when requested by the meeting steward will result in automatic exclusion from the meeting results.

10.2

Race Numbers:

Race numbers will start from one, no prefix numbers are permitted. All competitors must use the number as allocated to them on their MNZ Competition Licence. All overseas based competitors, must use a letter, that letter will be allocated by MNZ upon receipt of their start permission and notify to the rider the host Clubs & commissioners. Riders must provide and have securely fitted to their machines number plates as follows:

10.2a

Number digits to be of a BOLD type, and as large as practicable – 140mm MINIMUM height, and must be separate (i.e. not overlapping) legibility of numbers to be decided by the Technical Steward **or Steward** – if they are NOT legible from 20mtrs ride by, rider will be directed to re-do the number in a legible, legal form, and will not compete until his/her numbers comply.

Number Boards:

Size: Minimum width 285mm, minimum height 235mm, oval or rectangular in shape.

Placement: 3 number boards to be affixed or placed upon the motorcycle, in colours required for the class as follows:

Front: Facing forwards, with not more than 30 degrees forwards from vertical.

Sides: One either side of the motorcycle in a position clearly visible when the rider (and passenger for sidecars) is seated in their usual riding

position. In a place of separate boards, a space of equivalent size and shape can be on the bodywork or streamlining.

Figures all classes:

Figures must be clearly legible and both numbers and backgrounds must be in a non-gloss finish. A plain form of figure shall be used.

For Appendix's C, F, H and I the following additional rules apply:

Numbers containing more than two digits will NOT be acceptable for Road Race National Championship Events. Numbers 1-10 will be reserved for Competitors finishing in that position in that Class in the previous years Championship – these allocations will be made by MNZ's Office each year.

Colours:

125cc & 150 S/S

White background, Black figures

250 Production

Orange background, Black figures

Supersport 300

Blue background, White figures

Superlite

Black background, White figures

SuperSport 600

Yellow background, Black figures

Superbike

White background, Black figures

Sidecars – Formula One

White background, Black figures

Sidecars – Formula Two

Yellow background, Black figures

Pro Twin

Orange background, Black figures

Superstock 1000

Red background, Yellow figures

GIXXER Cup 150

Blue background, Yellow figures

Miniature Road Racing:

Up to 50cc

White background, Black figures

Open

Black background, White figures

Sidecars

Black background, White figures

Classic and Post Classic:

Classic

Up to 250cc

Dark green background, White figures

Up to 350cc

Blue background, White figures

Up to 500cc

Yellow background, Black figures

Open

Red background, White figures

Post Classic– pre 72

Ultra lightweight

White background, Black figures

Lightweight

Dark green background, White figures

Junior (up to 350cc)

Blue background, White figures

Junior (up to 500cc)

Yellow background, Black figures

Senior

Red background, White figures

Post Classic –Pre 82

Ultra Lightweight

White background, Black figures

Lightweight

Dark green background, White figures

Junior (up to 350cc)

Blue background, White figures

Junior (up to 500cc)

Yellow background, Black figures

Senior

Red background, White figures

Post Classic– Pre 89

| | |
|---------------|----------------------------------|
| Formula One | White background, Black figures |
| Formula Two | Yellow background, Black figures |
| Formula Three | Black background, White figures |

Post Classic – Pre 95

| | |
|---------------|--------------------------------------|
| Formula One | Yellow background, Black figures |
| Superbike | Blue background, White figures |
| Formula Two | Dark Green background, White figures |
| Formula Three | Orange background, Black figures |

Only FIM Licence holders (International Competitor) will be permitted to use letters.

All other markings or number plates on the motorcycle likely to cause confusion must be removed or covered over.

- 10.3 All numbers are to be on non gloss backgrounds and must not be less than 25mm wide. Numbers are to be as high as practicable.
- 10.3a Racing numbers will be in the colours specified for the engine capacity of the machine or the class of the rider and must be carried in all types of competition. Background colours shall approximate the following:
Green, Yellow, Red, Blue: NZS 7702:1983
- 10.3b Number plates must not have any stickers or markings liable to cause confusion with the number.
- 10.5 All machines competing on tracks must be fitted with securely mounted footrests which when in the riding position do not touch the ground with the machine at a less angle than 45 degrees from the vertical.
- 10.6 Exhaust systems must be fitted and securely mounted. The exhaust pipe outlet must not direct exhaust gases directly to the ground or in any other direction, which will lead to the creation of dust. This will be cause for exclusion.
- 10.6a Exhaust mufflers are mandatory in all forms of competition. The Steward of the Meeting has the power to reject any machine considered to be unduly noisy.
- 10.6b For sealed surface competition, all machines which have the exhaust silencer baffles secured by a screw or bolt to the body of the silencer must also have the baffles securely wired.
- 10.6c **Noise:** Some venues may have specific noise level limits. These if included in supplementary regulations may overrule rule 10.6d

10.6d

Noise Emission Road Racing:

All Road Racing Events on Permitted Circuits (Teretonga, Levels, Ruapuna, Manfeild, Taupo, Pukekohe, Hampton Downs as of this point) the noise limit is 95dBA.

All machines are to be effectively silenced so as not to exceed 95dBA "ride by" measured by the official meter mounted 30 meters from the track centre line, at the position on the circuit nominated by the circuit owners/managers. Machines registering readings consistently in excess of this limit will be brought to the attention of the officials for action to be taken as follows:

Exceeding 95dBA but not exceeding 98dBA: On the first offence during the meeting, the rider will be warned that this has occurred and instructed to rectify the situation. For the second and subsequent infringements, the machine/rider will be Black Flagged from the practice or race without further warning. If circumstances do not allow the machine to be Black Flagged, the competitor will be excluded from the results of that practice or race.

Exceeding 98dBA: the machine will be blacked flagged from the race or practice without warning.

If circumstances don't allow the machine to be black flagged, the competitor may be excluded from the results of that practice or race.

At all Street Circuits machines must operate as per the conditions (if any) listed in the local councils resource consent for the event. Should these conditions require special procedures and/or testing at the event, then these must be listed in the Supplementary Regulations.

10.7

All vehicles must be fitted with an efficient brake on both front and rear wheels. Any vehicle using a hydraulic type brake master cylinder must have a brake pedal return stop fitted so that the brake pedal linkage does not depend on the cylinder circlip to act as a stop.

10.8

All motorcycles must have the top run of the primary chain completely covered by a guard of sufficient dimensions to keep riders clothing from coming in contact with the transmission, and the rear chain guard when considered necessary.

10.9

All machines must have smooth inner surfaces on clutch and brake levers, the outer end of such levers to be securely fitted with a rounded knob or ball of not less than 16mm.

10.9a

Handlebars must not be of greater width than 92cm and must have the ends securely capped or plugged.

10.9b

Complete liberty is allowed as regards streamlining in the case of motorcycles used in an attempt on a record.

- 10.11 For other types of competition, streamlining can be permitted. The width of which at front does not exceed the width of the handlebar by more than 10cm. The front most point of the streamlining must not project in plan more than 10cm past the centre of the front axle. The front wheel, with the exception of the tyre and the part covered by the mudguard, must be clearly visible from each side. For reasons of historical accuracy, machines covered by chapter 23 are exempted from frontal rules provided this is mentioned in the supplementary regulations for the meeting. The same requirements apply equally to the rear of the streamlining, the rearmost point of which must not project in plan more than 30cm beyond the rearmost point of the tyre.
- 10.11a Streamlining should be so designed and fixed as to allow complete liberty of movement to the driver, both when driving and when mounting and dismantling from the machine which should be easily controlled without displacing the streamlining or any part of it.
The Windscreen edge must be rounded to a radius of not less than 3mm or employ rounded beading material of plastic or rubber.
The edges of all other exposed parts of the streamlining must be rounded.
- 10.11b Steering dampers may be fitted but the attachment method must be of good commercial standard. Metal steering stops must be added to the frame if the existing stops are inadequate. The damper must not in any way act as a steering lock limiting device. Minimum steering lock must be 150 either side of the centre line of the motorcycle.
- 10.12 Every motorcycle which takes part in a competition on an open public road shall comply with all legal requirements. Warrants of fitness are not required for speed events on an officially closed road.
- 10.13 For sealed surface competition, all crank cases, gear box, oil drain and breather tubes open only into a catch tank, i.e. a plastic bottle or suitable container to catch oil and oil mists. Air cleaner drain lines will enter a catch bottle and be sealed. Drain plugs, filler caps and oil filter retaining bolts will be wired. Spin-on cartridge type oil filters must be secured by a hose clip.
- 10.14 Fuel caps must not allow leakage and fuel lines must be secure.
- 10.14a Ethylene Glycol is banned from use in road race radiators.
- 10.15 For Championship road races and endurance road races of more than 55 minutes any breather pipes that come out of engines or transmissions must discharge into the heat resistant catch bottle.
- 10.16 **Street Circuits – All Classes:**
All machines to be fitted with an operational tether kill switch. The tether kill switch must not be fitted in such a way that it can be overridden and must be securely attached to the rider. This switch is to be additional to the regular handlebar mounted kill switch.

A number of machines, mainly historic and classic classes, are technically difficult to modify to accept any type of kill-switch, tether or otherwise. These machines will be exempt from this rule on both the following conditions being met:

- a. The machine must have a self contained magneto ignition, and
- b. The engine must stop when the throttle is closed. It must not idle.

For closed circuit racing:

- 10.17a Front Brake calliper mounting bolts must be wired or pinned in the tightened position.
- 10.17b A front brake lever protector may be fitted.
- 10.17c Where necessary, machines will be sealed for measurement purposes. Machines must not be taken from the pits after a race without the consent of the Clerk of the Course. Failure to observe this rule may entail exclusion, suspension, or disqualification.
- 10.18 The Steward(s) of a meeting may order any motorcycle which they have reason to believe may not be in accordance with the Rules and Supplementary Regulations to be impounded at the end of the meeting and motorcycle shall be retained as may be directed by the Steward(s) for such period as may be reasonably necessary for its examination by them.
- 10.18a If the measure be to determine a protest, the party against whom the decision is made shall bear the cost and the motorcycle may if the engine is found oversize be retained until such costs are paid.
- 10.19 **The Formulae to Calculate Cubic Capacity:**
Reciprocating piston motors: Diameter of cylinder bore in centimetres, squared, multiplied by 0.7854, multiplied by stroke in centimetres, multiplied by number of cylinders.

Rotary combustion (Wankel Patent): Capacity of one working chamber in cubic centimetres, multiplied by number of rotors, multiplied by two.
- 10.20 **Fuel testing:** at any event may only be ordered by the relevant MNZ commissioner, in consultation with the Officials Commissioner. No other party may request such action to be taken.
- 10.20a Such testing is to be carried out by suitably trained MNZ officials using appropriate sampling methods.
- 10.20b Should fuel irregularities be indicated/suspected, initial screening may be carried out using a Digatron DT-47FT analyser when available. Or, fuel samples may be taken for forwarding to a recognised laboratory (ESR or similar) for detailed analysis.

10.20c

Sampling Procedure:

Containers for holding samples must be clean and constructed of robust, fuel non-reactive, impermeable material. They must be sealable and have provision for identification.

Equipment used for extraction of fuel from machines must be clean and constructed of fuel non-reactive material.

Each sample must be divided in two and placed in separate containers (2 samples of a maximum 1 litre each). 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 an MNZ "Fuel Sample Certificate" which must certify the date, place and time of taking the sample, the identity of the machine from which it was taken and the identity of its rider.

Both samples must remain in the control of the testing officials and the rider must sign the MNZ "Fuel Sample Certificate" acknowledging that a sample was taken and must be given a copy of the certificate.

Refusal to submit to the taking of samples or signing of the certificate will be treated as an admission of guilt.

At the conclusion of the event the samples are to be delivered either in person or by a recognised Courier to the nominated laboratory, as soon as is practicable.

Fuel sampling may be carried out at any time during a meeting.

10.20d

The results from the analysis must be attached to the laboratory's copy of the MNZ "Fuel Sample Certificate" and returned to MNZ as soon as practicable after the results have been obtained.

10.20e

The results of the analysis must as soon as practicable be notified to the club at whose meeting the testing was carried out, the rider and the MNZ Judiciary for appropriate penalty(s) to be imposed should irregularities be confirmed.

10.21

Fuel: The following classes shall be restricted to petrol having a maximum characteristics not exceeding Avgas or unleaded FIM" as defined in Appendix D. All Road Race classes except those classes listed in 10.21a and 10.21b

10.21a

The following classes shall be restricted to petrol having maximum characteristics not exceeding "unleaded Super" as defined in Appendix D. No additives may be added to the fuel.

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| 1. | Supersport | Appendix F |
| 2. | Superbike | Appendix C |
| 3. | 650 Pro Twin | Appendix E |
| 4. | 250 Production | Appendix H |
| 5. | Young Junior Road Race | Chapter 14 |
| 6. | Supersport 300 | Appendix I |
| 7. | GIXXER Cup 150 | Appendix K |

- 10.21b The following classes shall have the choice of either petrol having maximum characteristics not exceeding "Avgas, Unleaded FIM" or methanol, both as defined in Appendix D. Sidecars as defined in chapter 18. National Speed Records, Hill Climb – Road– Classic Road Racing as defined in Chapter 15, Post Classic (Period 72) Road Racing as defined in Rule 17.3, Post Classic (Period 82) Post Classic (Period 89) Road Racing as defined in Rule 17.4 (4 stroke engines only). Any machines using methanol must display "Dangerous Goods" or other appropriate stickers that clearly indicate its use, on the machine in a prominent place e.g. number boards.
- 10.21c **Note:** Nitro methane and similar agents are prohibited in all classes of racing.
- 10.21d Fuel Specifications see Appendix D.