Classification of 70cc Road Bike:

Aim:

To encourage accurate construction and provide a predetermined overall standard so no competitor can obtain an unfair advantage, by unacceptable modifications. This may be determined by the specifications committee.

1 Chassis:

1. **Chassis** Mild Steel construction only (No commercial frames allowed) only frames constructed by a student in a school workshop. Wheel base 1000 – 1200 mm measured between the front axle bolts to rear axle bolt made by student. Overall width 700 mm. Suitably braced headstock. MAXIMUM FORK ANGLE 25 DEGREES.
MACHINES WITH WHEEL BASE THAT EXCEEDS THE SPECIFICATION'S BY MORE THAN 10 MM [CHAIN ADJUSTMENT ALLOWANCE] WILL NOT RACE. REAR AXLE RETAINING NUTS MUST BE WIRED.

1.1 **Footrests and handlebars** must be made by the student.

2. **Wheels and Tyres**

2.1 **Front wheels** Maximum of 13" Alloys with a maximum tyre size of 90/90/13"with hydraulic disc brake as supplied by Newmanz R/C Direct

2.2 **Rear wheels** 13" Alloys with a maximum tyre size of 130/60/13" as supplied by Newmanz R/C Direct

2.3 **Front tyres** 90/90/13 wheel size may not be changed from those supplied.

2.4 **Rear tyres** Rear 13" – 130/60/13 may not be changed from those supplied. No Off road tyres

3. **Gear ratios.** This is the only permitted gear ratio for 70cc's: Permitted ratio 14:36 gears

4. **Engines** The only engine allowed is the Loncin 70cc, 4 Stroke, motor, the manual clutch -°© - 4 speed configuration as supplied by Newmanz R/C Direct. No modifications permitted. If it is not mentioned then it cannot be changed. Any variance found will exclude your bike from the competition and it will not be permitted to race. No modifications to the engine This is to include, primary gear train, clutch, cylinder head, piston, bore, stroke. Engines should be in an "out of the box" condition **TOTALLY STANDARD.**
No tuning or blue printing allowed Engines must not be excessively loud or you will not race. (This is at the Clerk of the Course's discretion.) All sump plugs must be wired. A catch can must be fitted to all breather pipes, you must also have a wired filler cap.
ENGINES SHOULD BE SUITABLY SILENCED. As judged by the Specification committee.

4.1 **Ignition Systems** CDI unit # TZR50 is the only permitted unit supplied by Newmanz R/C Direct. These are the only permitted electronic ignitions systems allowed.

4.2 **Ignition Coils** The standard coil as supplied by Newmanz R/C Direct or replacement Fox Coils or Newmanz high performance variants are the only permitted Ignition coils. (Part No. [D10] GY6 125)

4.3 **Carburation**. The original carburetor as supplied by Newmanz R/C Direct is the only one permitted: Jung KE 22mm.

4.4 **Manifolds**

4.4.1 **Standard manifold** with flange mounts as supplied with the engine from Newmanz R/C Direct is the only one permitted

4.4.2 **Exhaust manifold** maximum external diameter should be kept standard

4.4.2a **All exhaust header pipes** must be made by student.

4.4.2b **Slip on mufflers** supplied by NRCD are the only type acceptable.

4.4.2c **Exhaust pipes** must not point downwards

4.4.3 **Forced induction** of any type is not permitted.

4.5 **Carb Jets/Needles** Carb jets/needles may be changed, as long as they are representative of original type.

4.6 **Air Filters** As supplied with engine

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4.7 **Lubrication,** oil coolers are allowed.

5.0 **Fuel** Only commercially available forecourt fuels are to be used 91, 95, 98, E10 octane. Additionally No additives, Nitrous Oxide (NOS), race fuels or any other type of fuel blend is not permitted.

6.0 **Brakes** must be fitted to the front wheel and rear wheel of the bike. These must be disc brakes. (As supplied in the NRCD Kit)

7.0 **Suspension** Full suspension front and back is permitted. REAR AXLE RETAINING NUTS MUST BE WIRED.

8.0 **Drive chain** Engine drive sprocket and chain must be adequately protected

9.0 **Riders Ages** must be at least Year 12. Evidence will be requested.

10.0 **Clothing**

10.1 **Full Road/Road Race leathers,** or Road touring suits with protection for knees, elbows, and shoulders are required. Motocross apparel is also permitted.

10.2 **Leather Gloves** preferably with knuckle protectors must be worn by rider Full face crash helmets with visors are preferred to
MSNZ or MNZ Standards but Motocross helmets and goggles are also permitted.

10.3 **Boots** must cover the rider's ankles

11.0 **Hand grips.** Adequate hand grips are required.

11.1 **Handle bar ends/ footrests** must be plugged or rounded.

12.0 **Emergency stops** A LANYARD type Emergency stop switch must be fitted, accessible and clearly identified.

13.0 **Builders Declaration**
I declare that my70 cc Bike, fuel and riding gear complies with technical articles 1 through 13

1. Chassis	
2. Wheels and Tyres	
3. Gear Ratios	
4. Engines	

I declaring and ticking the boxes above, I accept that if my midi-bike is found to be out of specification that I will not be permitted to enter the NZ Mini-Bike Grand Prix.

Name: _____ **Signed: _____** **Date: ___/___/_2017**

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Classification of 70cc Motard Bike:

Aim:
To encourage accurate construction and provide a predetermined overall standard so no competitor can obtain an unfair advantage, by unacceptable modifications. This may be determined by the Specifications committee.

1 Chassis:

1. **Chassis** Mild Steel construction only (No commercial frames allowed) only frames constructed by a student in a school workshop. Wheel base 1000 – 1200 mm measured between the front axle bolts to rear axle bolt made by student. Overall width 750 mm. Suitable braced headstock. AS PER THE 70 CC ROAD RACE SPECIFICATIONS. MACHINES WITH WHEEL BASE THAT EXCEEDS THE SPECIFICATION'S BY MORE THAN 10 MM [CHAIN ADJUSTMENT ALLOWANCE] WILL NOT RACE.

1.2 **Footrest and handle bars** must be made by the student.
1.3 Handle bars may be no higher than 150mm above the top triple clamp.

2. Wheels and Tyres

2.1 **Front wheels** Maximum of 13" Alloys with a maximum tyre size of 90/90/13"with hydraulic disc brake as supplied by Newmanz R/C Direct

2.2 **Rear wheels** 13" Alloys with a maximum tyre size of 130/60/13" as supplied by Newmanz R/C Direct

2.3 **Front tyres** 90/90/13 wheel size may not be changed from those supplied.

2.4 **Rear tyres** Rear 13" – 130/60/13 may not be changed from those supplied. No Off road tyres

3. **Gear ratios**. This is the only permitted gear ratio for 70cc's: Permitted ratio 14:36 gears

4. **Engines** The only engine allowed is the Loncin 70cc, 4 Stroke, motor, the manual clutch 4 speed configuration as supplied by Newmanz R/C Direct. No modifications permitted. If it is not mentioned then it cannot be changed. Any variance found will exclude your bike from the competition and it will not be permitted to race. No modifications to the engine This is to include, primary gear
train, clutch, cylinder head, piston, bore, stroke. Engines should be in an "out of the box" condition **TOTALLY STANDARD.**
No tuning or blue printing allowed. Engines must not be excessively loud or you will not race. (This is at the Clerk of the Course's discretion.) All sump plugs must be wired. A catch can must be fitted to all breather pipes, you must also have a wired filler cap.
ENGINES SHOULD BE SUITABLY SILENCED. As judged by the Specification committee.

4.1 **Ignition Systems** CDI unit # TZR50 is the only permitted unit supplied by Newmanz R/C Direct. These are the only permitted electronic ignitions systems allowed.

4.2 **Ignition Coils** The standard coil as supplied by Newmanz R/C Direct or replacement Fox Coils or Newmanz high performance variants are the only permitted Ignition coils. (Part No. [D10] GY6 125)

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4.3 Carburation
The original carburetor as supplied by Newmanz R/C Direct is the only one permitted: Jung KE 22mm.

4.4 Manifolds
Standard manifold with flange mounts as supplied with the engine from Newmanz R/C Direct is the only one permitted

4.4.1 Exhaust manifold maximum external diameter should be kept standard

4.4.1a The exhaust header pipe must be made by the student.
Slip on mufflers supplied by NRCD are the only type acceptable.

4.4. 2 Exhaust pipe outlet must not point downwards

4.4.3 Forced induction of any type is not permitted.

4.5 Carb Jets/Needles Carb jets/needles may be changed, as long as they are representative of original type.

4.6 Air Filters. As supplied with engine

4.7 Lubrication oil coolers are allowed.

5.0 Fuel Only commercially available forecourt fuels are to be used 91, 95, 98, E10 octane. Additionally No additives, Nitrous Oxide (NOS), race fuels or any other type of fuel blend is not permitted.

6.0 Brakes must be fitted to the front wheel and rear wheel of the bike. These must be disc brakes. (As supplied in the NRCD Kit)

7.0 Suspension. Full suspension Front and Back is permitted. REAR AXLE RETAINING NUTS MUST BE WIRED.

8.0 Drive chain Engine drive sprocket and chain must be adequately protected

9.0 Riders Ages must be at least Year 12. Evidence will be requested.

10.0 Clothing

10.1 Full Road/Road Race leathers, or Road touring suits with protection for knees, elbows, and shoulders are required. Motocross apparel is also permitted.

10.2 Leather Gloves preferably with knuckle protectors must be worn by rider Full face crash helmets with visors are preferred to MSNZ or MNZ Standards but Motocross helmets and goggles are also permitted.

10.3 Boots must cover the rider's ankles

11.0 Hand grips. Adequate hand grips are required.

11.1 Handle bar ends/ foot rests must be plugged or rounded.

12.0 Emergency stop. A LANYARD SWITCH must be fitted, accessible and clearly identified.

13.0 Builders Declaration
I declare that my70 cc Bike, fuel and riding gear complies with technical articles 1 through 13

1. Chassis	
2. Wheels and Tyres	
3. Gear Ratios	
4. Engines	

I declaring and by ticking the boxes above, I accept that if my midi-bike is found to be out of specification that I will not be permitted to enter the NZ Mini-Bike Grand Prix.

Name: _____ Signed: _____ Date: ___/___/_2017

N.Z.M.M.R.C. 2017