

SCHEDULE GT

GT New Zealand Championship

2023-2024 TECHNICAL REGULATIONS

PREAMBLE

The GT New Zealand Championship is designed to provide competitors with the opportunity to compete in a professionally organized Championship using a range of modern FIA homologated GT cars. Competitors will have fair and competitive race opportunities in an enjoyable and relaxed environment using a Balance of Performance Compulsory Pit Stop.

COMPETITOR RECORD OF AMENDMENTS ISSUED TO THIS SCHEDULE

Use this table to keep a record of all official 'Manual / Championship Amendments' issued during the season relative to this Schedule;

Amendment Number	Issue/Effective date	Regulation reference	Subject / Notes
GTNZ-23-T001	13 November 2023	7.3	Data Acquisition System
GTNZ-23-T002	17 November 2023	3	Race Weights and Dimensions
GTNZ-23-T002	17 November 2023	6	Vehicle Interior
GTNZ-23-T003	24 January 2024	3	Race Weights and Dimensions
GTNZ-23-T003	24 January 2024	7	Engines and Transmissions
GTNZ-23-T004	9 February 2024	8	Suspension

1.0 GENERAL INFORMATION RELATIVE TO THIS SCHEDULE

- 1.1 This Schedule shall be read in its entirety and in conjunction with Appendix Two Schedule A of the 'National Sporting Code' except where an item is not specifically covered within this Schedule, in which case Appendix Two Schedule A will apply.
- 1.2 All text changes from the previous issue of this Schedule are **highlighted** such. Text changes for grammatical and/or formatting reasons are not highlighted.
- 1.3 Only vehicles complying fully to the technical regulations as detailed hereinafter are eligible to compete in the Championship.
- 1.4 These regulations detail the specifications and dimensions permitted.
- 1.5 All vehicles competing in Events to which these regulations apply shall have a valid MotorSport NZ logbook or an overseas ASN equivalent.

1.6 TECHNICAL ELIGIBILITY AND SAFETY EQUIPMENT ENQUIRY: Where any doubt may exist in understanding any regulation contained within this Schedule it will be understood that it is the Competitors obligation to enquire as to the correct interpretation. All technical eligibility and/or safety equipment enquiry shall be submitted in writing to:

(1) The Technical Officer, as detailed in the Championship Articles, then to

(2) The MotorSport NZ Technical Manager

- All enquiries should detail the Article in question and the specific subject matter.
- A written reply will always be given to a written enquiry.
- On matters of technical eligibility and/or safety compliance, a verbal statement will have no validity.

1.7 The GT New Zealand Championship appointed Technical Officer shall have the right to inspect any competing vehicle during the Championship at any Round, and a notation shall be made in the vehicle's logbook confirming the inspection has been performed.

2.0 ELIGIBLE VEHICLES

2.1 Eligible Vehicles will be:

2.1.1 Automobiles as listed in the table below will be eligible for the OPEN Class of the 2023/24 GT New Zealand Championship:

- Porsche 992 GT3 Cup Car
- Porsche 991 GT3 Cup Car
- Porsche GT3 Cup MR SP-Pro
- Porsche 997 GT3 Cup Car
- Porsche GT2 Clubsport
- Ferrari 488 Challenge
- Ferrari 458 Challenge
- Ferrari 430 Challenge
- Lamborghini Super Trofeo
- Mercedes AMG GT2
- Audi R8 LMS GT2
- Maserati MC20 GT2
- GT4 vehicles which do not comply with GT4 Class Technical Regulations
- Other vehicles by application.

2.1.2 The following GT4 vehicles homologated to FIA GT4 specifications will be eligible to participate in the GT4 Class of the 2023 GT New Zealand Championship:

- Alpine A110 GT4
- Aston Martin Vantage AMR GT4
- Audi R8 GT4
- BMW M4 GT4
- Chevrolet Camaro GT4

- Ford Mustang GT4
- Ginetta G55 GT4
- Ginetta G56 GT4
- McLaren 570S GT4
- McLaren Artura GT4
- Mercedes-AMG GT4
- Porsche 981 Cayman GT4
- Porsche 718 Cayman GT4
- Porsche 718 Cayman GT4 MR
- Porsche 718 Cayman GT4 Clubsport
- Porsche 718 Cayman GT4 RS
- Toyota GR Supra GT4

3.0 RACE WEIGHTS AND DIMENSIONS

3.1 The minimum weight for each Vehicle entered will be part of the Balance Of Performance for that Vehicle. The table for this BOP will be published closer to the Event based on the vehicles entered.

3.1.1 All vehicles shall be measured in “Race Trim” meaning the condition in which the car competes and shall include all fluids and any ballast required to maintain weight compliance. Drink bottles, cool suit containment system and fluids will remain installed in the vehicle and be included in the vehicle weight.

In addition to this:

(a) Open Class: shall be measured including the driver and their personnel safety apparel.

(b) GT4 Class: shall be measured excluding the driver and their personnel safety apparel.

4.0 SAFETY EQUIPMENT REQUIREMENTS

4.1 All cars shall comply with FIA Appendix J 253 or MotorSport New Zealand Manual Appendix Two Schedule A at all times.

4.2 The following safety equipment shall be fitted to the competing vehicle in full compliance with Schedule A.

4.2.1 A **safety cage** as originally homologated by the manufacturer shall be installed. No modification of the structure is permitted., and

4.2.2 A **competition seat** in compliance with FIA standard 8862-2009 or 8855-1999 shall be installed for the driver. Any seat complying with FIA 8862-2009 shall use the homologated seat mount brackets. The original homologated mounting rail must be retained unless specifically authorised by MotorSport New Zealand. The floor of the vehicle shall not be modified in any way, and

4.2.3 A **six(6) strap safety harness** in compliance with FIA Standard 8853-2016 or 8853/98 shall be installed in compliance with Appendix Two Schedule A, and

- 4.2.4 A fire extinguisher** being a plumbed in system or a hand-held extinguisher in compliance with Appendix Two Schedule A shall be installed, and
- 4.2.5** It is strongly recommended that a window net in compliance with FIA standard 8863-2013 is installed adjacent to the driver, and
- 4.2.6 Personal protective clothing**, helmet, FHR and all safety apparel will be as detailed in Appendix Two Schedule A Part One shall be used by all drivers, and
- 4.2.7 Pit Lane Speed Limiter** It is strongly recommended that a Pit Lane Speed Limiter is installed and activated at all times the vehicle is moving in Pit Lane. Regardless of the Pit Lane Speed Limiter, each driver remains responsible for ensuring the pit lane speed is not exceeded.

5.0 BODYSHELL, VEHICLE EXTERIOR and AERODYNAMIC AIDES

- 5.1 Bodywork** - All bodywork dimensions and shape must remain original, as homologated by the Manufacturer.
- 5.2** The front and rear overhangs must remain as original.
- 5.3** Materials used for the bonnet and boot lids, bumpers, doors and wings must remain original or as described on the technical form of the car.

6.0 VEHICLE INTERIOR

- 6.1** All interior fittings are free provided compliance with Schedule A and the relevant FIA Homologations are maintained.
- 6.2** Driver Cool Suit equipment (where fitted) shall be mounted inside the vehicle on the passenger side and mounted to the seat mount locations or an alternate location as approved by the Championship Scrutineer in writing. An adapter plate may be fabricated to fit the OEM seat mount points to accommodate attaching the original cool suit reservoir mounting bracket. The cool suit equipment must be fully contained within the driving compartment.
- 6.3 Driver drink container** with a maximum volume of 2.0 Litres may be installed for driver hydration. The container shall be of propriety manufacture only, shall be mounted behind the driver's seat or as approved by the Championship Scrutineer in writing and shall be wholly within the driving compartment. Only one drink container is permitted.

7.0 ENGINES AND TRANSMISSION

- 7.1 Engine** and transmission location shall respect the OEM specification for the relative model and year of manufacture.
- 7.2** For GT4 class vehicles, the engine performance map for each vehicle entered will be part of the Balance Of Performance for that vehicle. For certain non-turbo vehicles engine intake restrictors may be required. The specific requirements for this BOP will be published closer to the event based on the vehicles entered.

7.3 Data Acquisition System

- 7.3.1** All GT4 Vehicles entered into the series will need to be fitted with a Motec L120 enclosed Data Logger. This system will be used in each event and must operate fully and correctly at all times, with all required data fully recorded and retrievable. It serves exclusively to store the data acquired, which may be checked at any point during the race meeting. The weight of the system is included in the minimum weight of the car.
- 7.3.2** All Open class Vehicles entered into the series will need to be fitted with a Motec L120 enclosed Data Logger or equivalent factory data acquisition system. This system will be used in each event and must operate fully and correctly at all times, with all required data fully recorded and retrievable. It serves exclusively to store the data acquired, which may be checked at any point during the race meeting. The weight of the system is included in the minimum weight of the car.

8.0 SUSPENSION

- 8.1** **Suspension** componentry including any replacement parts must remain in their original fitted location
- 8.2** **Suspension** may be adjusted within the manufacturers design tolerance only.
- 8.3** **Anti-roll bars** may be adjustable within the manufacturers design tolerances only. Anti-roll bars may be disconnected on condition that no parts are removed from the vehicle.
- 8.4** **Ground Clearance or ride height -** The minimum ride height for each Vehicle entered will be part of the Balance of Performance for that Vehicle. The table for this BOP will be published closer to the Event based on the vehicles entered.
- 8.5** **Ground Clearance or ride height Porsche 992 GT3 Cup Car:** The minimum ground clearance of the ready-to-drive vehicle with the driver and fitted with slick tyres at 29 psi +/- 0.5 psi air pressure must be not be less than the specified dimension, as measured at the specified measuring points, at any time during an Event.
- 8.5.1** The ground clearance of the front axle must be a minimum of 72 mm measured from the mounting bolts of the cross member/Bodywork (as shown in Attachment A) to the reference surface with the following requirements: The reinforcement sleeves (part number 9F1.407.371) must be fitted on the subframe; The mounting bolts (part number N91253401) must be unmodified and undamaged; If the height of the mounting bolt head is less than 14.9 mm, the difference will be taken into account.
- 8.5.2** The ground clearance of the rear axle must be a minimum of 106 mm measured from the machined surface in the direction of travel on the side section of the rear axle (as shown in Attachment A) to the reference surface.
- 8.5.3** The reference surface is the measuring plate in the technical scrutineering area. The measuring plate is available for teams to check the ground clearance of their vehicle at any time.
- 8.5.4** The minimum ground clearance of the ready-to-drive vehicle is checked using an appropriate height gauge for the axle to be measured. If the appropriate height gauge can be moved under the measuring points described above, this confirms compliance with the minimum height requirement.

9.0 BRAKING SYSTEM

- 9.1 **Brake system** components are free but shall respect the homologated component dimensions and specifications.

10.0 STEERING

- 10.1 Steering is free but the design shall be the same as homologated.

11.0 ROAD WHEELS & TYRES

- 11.1 **Wheels:** shall be a size compatible with the Control Tyre.

Tyres: shall be Michelin Dry with the following specifications except for the Ferrari 488 Challenge which shall run Pirelli tyres due to non-availability of the correct size Michelin tyres:

Vehicle	Front Tyre	Front Spec	Rear Tyre	Rear Spec	Front Wet Spec	Rear Wet Spec
Porsche 997 Gen 1	25/64-18	Porsche N2	27/68-18	Porsche N2	P2L	P2L
Porsche 997 Gen 2	25/64-18	Porsche N2	30/68-18	Porsche N2	P2L	P2L
Porsche 991 Gen 1	27/65-18	Porsche N2	31/71-18	Porsche N2	P2L	P2L
Porsche 991 Gen 2	27/65-18	Porsche N2	31/71-18	Porsche N2	P2L	P2L
Porsche 992	30/65-18	S9M	31/71-18	S9M	P2L	P2L
Porsche 981 Caymen GT4	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Porsche 718 Caymen GT4	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Porsche 718 Caymen GT4 MR	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Porsche 718 Caymen GT4 RS Clubsport	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Porsche Cup MR SP-Pro	30/68-18	S9M	31/71-18	S9M	P2L	P2L
Aston Martin AMR GT4	30/65-18	S9M	30/68-18	S9M	P2L	P2L
Aston Martin GT8R	30/65-18	S9M	30/68-18	S9M	P2L	P2L
Audi R8 LMS GT4	30/65-18	S9M	31/71-18	S9M	P2L	P2L
Audi R8 LMS GT2	30/65-18	S9M	31/71-18	S9M	P2L	P2L
BMW M4 GT4	30/68-18	S9M	30/68-18	S9M	P2L	P2L
Chevrolet Camaro GT4	30/68-18	S9M	30/68-18	S9M	P2L	P2L
Ferrari F430 Challenge	24/65-19	S9M	28/69-19	S9M	P2H	P2H
Ferrari F458 Challenge	24/65-19	S9M	28/69-19	S9M	Pirelli	Pirelli
Ferrari F488 Challenge	275/675-19	Pirelli	315/705-19	Pirelli	Pirelli	Pirelli
Ford Mustang GT4	30/68-18	S9M	30/68-18	S9M	P2L	P2L
Ginetta GT4 G55	27/65-18	S9M	27/65-18 or 30/65-18	S9M	P2L	P2L
Ginetta GT4 G56	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Lamborghini Super Trofeo	30/65-18	S9M	30/68-18	S9M	P2L	P2L
McLaren 570S GT4	27/65-18	S9M	30/68-18	S9M	P2L	P2L
McLaren Artura GT4	27/65-18	S9M	30/68-18	S9M	P2L	P2L
Maserati MC20 GT2	30/65-18	S9M	31/71-18	S9M	P2L	P2L
Mercedes AMG GT4	30/65-18	S9M	30/68-18	S9M	P2L	P2L

Vehicle	Front Tyre	Front Spec	Rear Tyre	Rear Spec	Front Wet Spec	Rear Wet Spec
Mercedes AMG GT2	30/65-18	S9M	31/71-18	S9M	P2L	P2L
Toyota Supra GT4	30/65-18	S9M	30/65-18	S9M	P2L	P2L

11.2.1 Wet tyres shall be Michelin P2L Spec respecting the same sizes as the dry tyre options. For the Ferrari 458 and 430 the wet tyres shall be P2H. For the Ferrari 488, the wet tyres will be respecting same sizes as the dry tyre options.

ATTACHMENT A

Ride Height Measuring Points



