

SCHEDULE TA[©]

Targa NZ Seria Campione Tarmac Rally Series Technical Regulations 2017

PREAMBLE

To encourage a diverse range of cars and drivers to compete against each other in a friendly yet competitive environment in the spirit of 'Targa Rallying'.

To provide a unique tarmac road rally series that gives competitors the chance to tour the country and give back to the community.

COMPETITOR RECORD OF AMENDMENTS ISSUED TO THIS SCHEDULE

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

Amendment Number	Issue/Effective date	Regulation reference	Subject / Notes

1.0 GENERAL INFORMATION RELATIVE TO THIS SCHEDULE

- 1.1 These regulations shall be read in conjunction with the National Sporting Code, the Standing Regulations as detailed in the current edition of the MotorSport Manual, and the Supplementary Regulations issued by the Organiser for each Round of the Series. Additionally, any subsequent amendments / bulletins as issued by MotorSport New Zealand from time to time shall be respected.
- 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 All vehicles shall comply with the MotorSport New Zealand safety Schedules - Appendix Two, Schedule A or Appendix Six, Schedule AA of the current MotorSport NZ Manual except where specifically detailed otherwise in this Schedule.
- 1.4 **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 Series Scrutineer, as detailed in the Series Articles, in the first instance, and then to
 - (2) The MotorSport NZ Technical Department.
- 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.

2.0 DEFINITIONS

- 2.1 Definition of terms used within this Schedule shall be referenced from the National Sporting Code, Appendix Two Schedule A, and as detailed below:

'Aftermarket' means component/s sourced from another manufacturer to that of the original car, which can be fitted without making any additional modification to the original car; and

'CAMS' means the Confederation of Australian Motorsport, being the ASN of Australia; and

'Crew' means the Driver and Co-driver of a competing vehicle; and

'Direct Replacement' means a component sourced from another manufacturer to that of the original car, that is a direct replacement part in level of duty, function and design to the component it replaces, and can be fitted without making any additional modifications; and

'Free' (part) means that the original part as well as its function may be removed or replaced with a new part on condition that the new part adds no additional function relative to the original part; and

'Homologation Form' means a descriptive form issued by the FIA detailing the technical specifications put forward by the car manufacturer of an individual model; and

'Modification' is defined as any change authorised within these Technical Regulations; and

'MSNZ' means MotorSport New Zealand Inc, being the ASN of New Zealand; and

'National Sporting Code' or **"NSC"** means the National Sporting Code issued by MotorSport NZ from time to time; and

‘NZTA’ means the New Zealand Transport Agency; and

‘Organising and Eligibility Committee’ or ‘The Committee’ shall mean the representatives appointed by Club Targa Inc to organise the Series, and

‘Original’ means as fitted by the car manufacturer and includes all devices, equipment, accessories and/or components as fitted to the model represented; and

‘Series Production Car’ means a car that has been manufactured in a certain number of identical units within a specified time frame by the same manufacturer, and intended for general sale to the public through a dealer network; and

‘Standard’ means the component/s as originally fitted to the car by the original manufacturer at the time of the initial sale.

3 ELIGIBLE VEHICLES

3.1 Eligibility shall be for either Series Production vehicles or LVVTA approved vehicles of either open or closed construction.

3.2 All vehicles nominated shall be approved by the Committee.

3.3 **Competition:** There are four(4) Competitions as follows:

(a) **Classic 2WD:** being 2 wheel drive(2WD) vehicles which have a manufacture date prior to 1 January 1986 based on the first year of production of that model. Forced induction cars or cars fitted with sequential gearboxes are specifically prohibited from this Competition.

(b) **Production (GT2) 2WD:** being 2 wheel drive(2WD) vehicles which have a manufacture date from 1 January 1986, based on the first year of production of that model, with allowable modifications. Aftermarket sequential gearboxes are specifically prohibited from this Competition.

(c) **Production (GT4) 4WD:** being 4 wheel drive(4WD) vehicles with allowable modifications. Aftermarket sequential gearboxes are specifically prohibited from this Competition.

(d) **Allcomers (Extreme) 2WD and 4WD:** being all other 2 wheel drive and 4 wheel drive vehicles not eligible for Competitions (A) – (C) above.

3.3.1 Each Competition shall be divided into the following categories:

Classic 2WD		
Category 1	0 – 2000cc	Aftermarket sequential gearboxes are prohibited
Category 2	2001 – 3400cc	Aftermarket sequential gearboxes are prohibited
Category 3	3401cc and over	Aftermarket sequential gearboxes are prohibited

Production (GT2) 2WD		
Category 4	0 – 2000cc	Aftermarket sequential gearboxes are prohibited
Category 5	2001 – 3400cc	Aftermarket sequential gearboxes are prohibited
Category 6	3401cc and over	Aftermarket sequential gearboxes are prohibited

Production (GT4) 4WD		
Category 8	Pre 2000	1 st year of production prior to 1 January 2000. Aftermarket sequential gearboxes are prohibited
Category 9	Post 2000	1 st year of production after to 1 January 2000. Aftermarket sequential gearboxes are prohibited

Allcomers (Extreme) 2WD and 4WD		
Category 7	Open 2WD	All 2 wheel drive vehicles not eligible for Categories 1 – 6.
Category 10	Open 4WD	All 4 wheel drive vehicles not eligible for Categories 8 - 9.

- 3.4 In all instances the final classification of any entered vehicle shall be determined by the Committee. Any classification of a competing vehicle, shall be determined by (but not limited to) the following:
- (a) Whether the vehicle has been substantially modified from the standard series production vehicle, or
 - (b) The vehicle employs modern mechanical components and / or materials outside of the period that the vehicle represents. Such vehicles shall be placed in the Competition and/or category that represents the most modern component of the vehicle, or
 - (c) If in the opinion of the Committee, the vehicle would have a detrimental effect on the competition within the original Competition and/or category.

4.0 GENERAL CONDITIONS

- 4.1 **Logbook:** All cars competing in Events to which these regulations apply shall have;
- (a) **New Zealand vehicles:** a valid MotorSport NZ logbook, or
 - (b) **Australian vehicles:** A valid CAMS logbook, or
 - (c) **Other vehicles:** A valid logbook from the ASN of the country of domicile.
- 4.2 All Vehicles shall comply with the requirements of Appendix Two, Schedule A, Article 8.1.
- 4.2.1 Australian domiciled vehicles shall be in compliance with the requirements of the CAMS safety prescriptions relative to rallies (road events) as detailed in Schedule R of the Current CAMS Manual.
- Note:** CAMS Schedule R also references additional Schedules that must be complied with as far as they are applicable to rallies.
- 4.3 All vehicles registered in New Zealand competing in the Series must have a MotorSport/LVV Authority Card valid for the duration of the event.
- 4.4 **Entrants Declaration:** All Entrants must submit a "Vehicle Specifications" form when submitting the Entry. Vehicles may be checked at any time during the Round for compliance and any variation with the submitted form may be penalised.
- 4.4.1 It shall be the Entrant's responsibility to provide proof for all specifications detailed on the Vehicle Specifications form.
- 4.5 **Damage or leaking vehicles:** Any competing vehicle suffering accident damage and/or leaking oil or fluids must be repaired to the satisfaction of the Series Scrutineer prior to rejoining the competition.

- 4.6 All bodywork including any subsequent repair of accident damage shall be to a tradesman-like standard. Repairs to competition damage shall permit the vehicle to be presented in as near to original condition as possible.

5.0 DATA LOGGING / GPS TRACKING DEVICES

- 5.1 All competing vehicles shall be fitted with tracking equipment and/or data logging equipment as detailed by the Committee.
- 5.2 It is the competitor's responsibility to purchase and install the required tracking equipment and/or data logging equipment. Failure to install the equipment, or tampering with the unit (or data) once installed shall be penalised.

6.0 COMPETING CAR WEIGHTS

- 6.1 **Minimum Weight:** The minimum weight of the competing vehicle shall be the total of the minimum weight of the vehicle as detailed in Schedule A Article 7.3(4), plus an additional 160kg allowance for the Crew, at all times during the competition.
- 6.1.1 The minimum competing car weight shall include all fluids and any ballast necessary to maintain weight compliance, including the crew and their safety apparel. Ballast shall be secured in accordance with Schedule A, Article 6.1.
- 6.2 The **competing car weight** may be measured at any time during the competition, on the official weigh scales of the event. The scales supplied by the Organisers will be considered definitive, and the weight of a car established during the event will be a finding of fact.

7.0 SAFETY EQUIPMENT REQUIREMENTS

- 7.1 **All safety equipment shall comply with Schedule A ~~or Schedule AA~~, except where specifically detailed within this Schedule otherwise.**
- 7.2 **Safety Cage:** A safety cage is mandatory and shall be fitted as per Schedule A requirements. These safety cages must be homologated by MotorSport NZ, excepting overseas vehicles which must have homologation from their country of origin. Alloy or aluminium safety cages are specifically prohibited.
- 7.3 **Safety harness:** shall be installed in full compliance with Schedule A.
- 7.4 **Seats:** shall be Competition type seats as detailed in and in full compliance with Schedule A.
- 7.5 **Fire extinguishers:** shall comply with Schedule A, Article 4.8.
- 7.6 **Ignition / Circuit Breaker:** shall be fitted in accordance with Schedule A Article 5.4.
- 7.7 **Protective padding** shall be fitted where the occupant's bodies could come into contact with the safety cage. It shall be non-flammable, high density, energy absorbing, closed cell foam with a minimum wall thickness facing the occupant of 15mm. Where the occupants crash helmet could come into contact with the safety cage, the padding shall comply with FIA standard 8857-2001.
- 7.8 **First aid kit:** shall be carried in each competing vehicle in accordance with Schedule A, Article 7.1(2).
- 7.9 **Safety Triangle:** A minimum of one(1) safety triangle shall be carried in the competing car in accordance with Schedule A, Article 7.1(3).
- 7.10 **Tow rope:** All competing vehicles shall carry a tow rope.
- 7.11 The following optional safety equipment **may** be fitted to the competing car:
- 7.11.1 A **window net** may be installed on the drivers' side in compliance with Schedule A.

7.11.2 Brake, fuel, oil and coolant lines may be upgraded to aftermarket lines of a higher specification in compliance with Schedule A.

7.12 The following safety equipment **shall** be worn by the Crew:

7.12.1 A Helmet shall be worn in all special stages. All helmets shall be **FHR compatible and comply with the standards detailed in Schedule A Article 4.1(2)**.

7.12.2 Frontal Head Restraint (HANS type device): in compliance with Schedule A shall be worn in all Special Stages.

7.12.3 Protective Clothing: shall be worn in compliance with Schedule A. It is highly recommended that all protective clothing is compliant with an FIA standard.

7.12.4 Gloves: in compliance with Schedule A shall be worn by the Driver in all special stages. The wearing of gloves for co-drivers is optional.

8.0 FUEL

8.1 Fuel: The only fuels authorised for use in competing vehicles at any Round of this Series is as detailed in Appendix Two, Schedule A, Article 3.9 Fuel.

Note: *Competitors and their crew should be familiar with the requirements of the Code of Practice for Motorsport Fuel – Storage and Handling, which is available at <http://www.motorsport.org.nz/sites/default/files/motorsport/documents/fuel/Code-of-Practice-Fuel.pdf>*

8.2 The carriage of fuel in competing vehicles in containers that are not part of the piped fuel systems is prohibited.

9.0 BODYSHELL & VEHICLE EXTERIOR

9.1 External appearance: The silhouette of the Series Production Car should not be altered, excepting where homologated parts are fitted and/or the guards are modified for road wheel clearance.

9.2 Body panels: must be of original design, materials and construction. The boot, bonnet or doors may be replaced by body panels of alternative construction, subject to approval by the Committee.

9.3 Seam welding: Is authorised to the bodyshell and subframes.

9.3.1 Strengthening: Localised strengthening of the bodyshell is authorised provided the additional material completely follows the shape of the original part and is in contact with it.

9.4 Sump guards: Are authorised, provided that their sole function is to protect the underside of the car from damage.

9.5 Mudguards: Plastic guard liners may be removed and/or replaced with alternative material.

9.6 Mud-flaps: Where fitted, mud-flaps shall not protrude beyond the body of the vehicle.

9.7 Window glass: All glazing shall be safety glass as per standard fitment, excepting where specific exemption is granted by the appointed Series Scrutineer and detailed in the car's logbook.

9.8 Lights: Vehicles with retractable headlamps may be fitted with auxiliary lights. Any auxiliary lights used in place of the headlamps must illuminate to the same extent as the vehicle's standard headlamps on low beam in daylight. Rally-type light pods are specifically prohibited.

9.9 Towing eyes; must be fitted and clearly marked as per Schedule A.

9.10 Spare Wheel/Tyre: May be carried on the rear boot lid providing compliance with Schedule A, the fitting device satisfies the Series Scrutineer as to safety and suitability and that rear view vision is not obstructed.

10.0 VEHICLE INTERIOR

10.1 Supplementary Odometer: A supplementary re-settable odometer which registers in kilometres and tenths of kilometres must be fitted.

10.2 Subject to Schedule A compliance, the following is authorised;

(1) **Seats:** Competition seats shall be fitted for the Crew respecting Schedule A. The rear seats may be removed.

(2) **Interior trim:** Free, excepting that the standard dashboard assembly shall be retained in its original position and all doors shall have panels fitted in compliance with Schedule A.

(3) **Instrumentation:** Free, additionally a mechanical or electronic supplementary resettable odometer shall be fitted in accordance with Article 10.1 above.

(4) **Steering Wheel:** Aftermarket steering wheels are permitted.

(5) **Brake, clutch and accelerator pedals:** May have pads added.

(6) **Handbrake lever:** Free, respecting Schedule A.

10.3 Airbag SRS systems (where fitted): Shall be rendered inoperative during competition, either by complete removal of the system or by temporary disablement (removal of the power supply). Where the system is removed, compliance with Schedule A (reference Article 8.3(6)(d)) is mandatory.

10.4 Speed Radar Detection Devices: are not permitted to be in operational order during the Round.

11.0 CHASSIS

11.1 Free, respecting Article 3.1 and all Schedule A provisions.

12.0 ENGINE SPECIFICATIONS

12.1 Engine type is free, in compliance with Schedule A.

13.0 ENGINE INDUCTION SYSTEM

13.1 Induction system: Free, excepting the requirements detailed in Article 13.2 below and provided that Schedule A compliance is maintained.

13.2 Forced induction engines 1800cc or over (non-corrected): All four wheel drive(4WD) vehicles fitted with forced induction engines, 1800cc or over, shall comply with the provisions of Appendix Two, Schedule A Article 7.3.

13.3 Anti-Lag Device: Any turbo anti-lag device fitted must be immobilised to the satisfaction of the Series Scrutineer.

14.0 ENGINE EXHAUST SYSTEM

- 14.1 **Exhaust system:** Free, provided it is mounted in the original location and in compliance with Schedule A.

15.0 TRANSMISSION

- 15.1 The transmission, from the engine flywheel to the driven (road wheel) hub, is free provided Schedule A compliance is maintained at all times.

16.0 SUSPENSION

- 16.1 The suspension system is free, respecting the provisions of Article 16.2 and Schedule A compliance is maintained at all times.
- 16.2 **Suspension modifications:** Vehicles must have suspension springs and/or shock absorbers mounted in the manufacturers original mounting locations (without modification). Vehicles with modified suspension locations shall automatically be placed in Category 7 or 10 as applicable.

17.0 BRAKING SYSTEM

- 17.1 The braking system is unrestricted provided Schedule A compliance is maintained at all times.

18.0 ROAD WHEELS

- 18.1 Road wheels are free as to make or design, provided that compliance with Schedule A is maintained at all times.
- 18.2 **Road wheel dimensions:**
- (a) **4WD vehicles** may increase the manufactures standard production wheel diameter by a maximum of 1”.
 - (b) **2WD vehicles** may increase the manufactures standard production wheel diameter by a maximum of 2”.
 - (c) Vehicles in excess of these requirements will be placed in Category 7 or 10 as applicable.

Note: Upon application to the Committee, limited or sports racing model variants of the series production car may be considered when determining the standard wheel dimension.

19.0 TYRES

- 19.1 Tyres are free, provided they are ‘Road Tyres’ in compliance with Appendix Two Schedule A, and this Article 19.
- 19.2 All tyres must:
- (a) Comply with the requirements of Schedule A.
 - (b) Comply with a recognised NZTA standards mark (eg: DOT, NZS or ADR)
 - (c) Not have any of the original mouldings, marks or writing removed.
- 19.3 Specifically prohibited are:
- Tyre Chains
 - Studded or snow tyres
 - Soft compound tyres
 - Tyres specifically marked for racing only

Note: Refer to the Series Scrutineer for compound clarifications.

END