



2020 NSW SUPERSPRINT TECHNICAL REGULATIONS

INTRODUCTION

The NSW Supersprint Panel has developed the following Technical Regulations for all Supersprints in NSW, ranging from single club events through to State Championship events.

In these Regulations a reference to the Motorsport Australia Manual is a reference to the Motorsport Australia Manual of Motorsport then current as at the date of completion of these regulations.

TYPES

In general, the Type rules are a combination of Circuit Racing Classes from the Motorsport Australia Manual (Types 1S, 2R, 2S, 3R and 3S) plus two Types for modified Road Registered cars and one for Time Attack cars. These categories are also designed to provide low-cost competition, a prime objective of Supersprints.

The eight Types are:

Type 1S Competition vehicles generally based on 1st Category: Racing cars as specified in the Motorsport Australia Manual. **Clubmans, Kit Cars, Racing Cars, Sports Racing Cars** and **Sports Racers** and vehicles as classified by the NSW Supersprint Panel are eligible to compete in this Type.

Type 2R

Competition vehicles that:-

- (a) are based on the Group 2F Prodsports regulations as defined in the Motorsport Australia Manual or
- (b) are both a **Production Sports Car** and an **Exotic** that, apart from being an **Exotic**, complies with the Type RM Regulations.

Road Tyres must be used on vehicles in this Type and there is a separate Class in this Type for **Road Registered Exotics**.

Type 2S

Competition vehicles based on the Group 2B Prodsports regulations as defined in the Motorsport Australia Manual. Group 2F Prodsports and **Sports Cars** that are both **Road Registered** and a **Production Car** are also eligible to compete in this Type. Racing slicks are permitted in this Type.

Type 3R

Competition vehicles based on the Group 3J Improved Production Cars regulations as defined in the Motorsport Australia Manual. In addition:-

- (a) Group 3E Production Cars, (b)
Group 3H HQ Holdens,
- (c) Group 3K Saloon Cars and
- (d) **Touring Cars** that are **Exotics** which, apart from being an **Exotic**, comply with the Type RM Regulations are also eligible to compete in this Type. Road Tyres must be used on vehicles in this Type.

Type 3S

Competition vehicles based on the Group 3D Sports Sedan

regulations as defined in the Motorsport Australia Manual. Group 3E Production Cars, Group 3J Improved Production Cars and **Touring Cars** that are both **Road Registered** and a **Production Car** are also eligible to compete in this Type. Racing slicks are permitted in this Type.

Type RR **Road Registered** cars with minor modifications (excluding **Exotics, Clubmans, Kit Cars** and **Replicas**). Road Tyres must be used on vehicles in this Type.

Type RM **Road Registered** cars with modifications in excess of those permitted in Type RR (excluding **Exotics, Clubmans, Kit Cars** and **Replicas**). Road Tyres must be used on vehicles in this Type.

Type TA Highly modified mass produced vehicles commonly known as "Time Attack" vehicles that are modified specifically for the performance of fast lap times and not for racing.

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MULTIPLICATION FACTORS FOR CAPACITY

For all Vehicles, except vehicles that comply with the Group 3D: Sports Sedans regulations which are competing in Type 3S, capacity must be calculated on the following basis:

Rotary Engines Multiply displacement by 1.8

Forced Induction Multiply displacement by 1.7

Forced Induction Rotary Multiply displacement by 3.06

For vehicles that comply with the Group 3D: Sports Sedans regulations and which are competing in Type 3S, capacity must be calculated on the following basis:

Rotary Engines Multiply displacement by 1.75

Forced Induction Multiply displacement by 1.7

Forced Induction Rotary Multiply displacement by 2.975

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CLASSES

TYPE 1S

Class	Vehicle description
1	Road Registered Clubmans and vehicles defined as a Formula Vee in the Motorsport Australia Manual.
2	Clubmans, Kit Cars and Replicas using slicks, Clubmans that are not Road Registered and vehicles defined as a Formula Ford or Formula Ford 1600 in the Motorsport Australia Manual
3	Cars determined to be eligible to compete in Type 1S by the NSW Supersprint Panel, Racing Cars, Sports Racing Cars and Sports Racers with an engine capacity up to and including 2000cc.
4	Cars determined to be eligible to compete in Type 1S by the NSW Supersprint Panel, Racing Cars, Sports Racing Cars and Sports Racers with an engine capacity greater than 2000cc

TYPE 2R

Class	Engine capacity or Vehicle Description
1	Road Registered Exotics
2	0 - 2000cc
3	2001 - 4000 cc
4	4001cc & above

TYPE 2S

Class	Engine capacity
1	0 - 2000cc
2	2001 - 4000 cc
3	4001cc & above

TYPE 3R

Class	Engine capacity
1	0 - 1600cc
2	1601 - 2000cc
3	2001 - 4000 cc
4	4001cc – 6000cc

TYPE 3S

Class	Engine capacity
1	0 - 2000cc
2	2001 - 4000 cc
3	4001cc & above.

TYPE RR

Class	Engine capacity
1	0 - 1600cc
2	1601 - 2000cc
3	2001 - 4000 cc
4	4001cc & above

TYPE RM

Class	Engine capacity
1	0 - 1600cc
2	1601 - 2000cc
3	2001 - 4000 cc
4	4001cc & above

TYPE TA

Class	Vehicle description
1	Two Wheel Drive Vehicles that comply with the Clubsprint Category Regulations contained in the Type TA Technical Regulations.
2	Four Wheel Drive Vehicles that comply with the Clubsprint Category Regulations contained in the Type TA Technical Regulations.
3	Two Wheel Drive Vehicles that comply with the Open Category Regulations contained in the Type TA Technical Regulations.
4	Four Wheel Drive Vehicles that comply with the Open Category Regulations contained in the Type TA Technical Regulations.

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DEFINITIONS

Where used in these Technical Regulations, the words and phrases set out in this Definitions section shall have the following meanings. Unless otherwise expressed or implied in these Technical Regulations, words and phrases shall have the same meanings as are contained in the Motorsport Australia Manual.

Aftermarket means non-factory parts, accessories and upgrades to a motor vehicle to assist in performance and, for the purposes of these Technical Regulations, includes **Factory Extras**.

Motorsport Australia Approved Boost Monitor means a boost monitor, as specified by Motorsport Australia and referred to in Rule 4.5 of the Group 3J - Improved Production Cars rules contained in the Motorsport Australia Manual.

Motorsport Australia Approved Restrictor means a restricting orifice as referred to and described in Rule 4.5 of the Group 3J - Improved Production Cars rules contained in the Motorsport Australia Manual.

Cold Air Box means an aftermarket device used to bring relatively cool air into a car's internal-combustion engine.

Clubman means a lightweight two-seater open-top sports car generally based on the Lotus Seven, which may be either constructed with a chassis or be of monocoque construction with no limitation placed on the material used in the body shell. A Clubman shall include, but not be limited to, vehicles generally based on the Lotus Seven either manufactured by (either whole, in part or in kit form) or marketed as Lotus, PRB, Birkin, Amaroo, Westfield, Caterham, Elfin, Fraser and Leitch but shall exclude any Clubman Sports 1300 or any other vehicle described in Group 2C – Supersports Cars in the Motorsport Australia Manual.

Eligible Vehicle means a vehicle available for purchase from a major manufacturer, either currently or previously, as a new mass produced vehicle.

EMS means the electronic device that controls various aspects of the operation of the vehicle's engine including but not limited to, the control of:- (a) the vehicle's ignition, (b) the vehicle's fuel supply and fuel injection, and (c) if the vehicle is turbocharged, the inlet pressure of the vehicle's turbocharger.

Such a device is variously known as the Engine Management System, the Engine Control Unit and/or the Engine Control Module.

EMS Modification means the modification of the **EMS** that is standard to the vehicle concerned in any manner whatsoever and includes but is not limited to: -

- (a) modification (including reprogramming) of the software program incorporated in and forming part of the **EMS**, and/or
- (b) the "flashing", "chip tuning" and/or "remapping" of the **EMS**

but it does not include:-

- (e) the replacement of the **EMS** with another **EMS** that is not standard to the vehicle concerned and/or
- (f) any modification that increases the inlet pressure of the vehicle concerned.

Exotic means:-

- (i) any vehicle, including any Factory Extras attached to or forming part of the vehicle, that has or had a Manufacturer's Recommended Retail Price that exceeds the **Exotics Indexed Price** for that vehicle and/or
- (ii) any other vehicle that the NSW Supersprint Panel determines, in its absolute discretion, is a vehicle that should not be eligible to compete in Type RR or Type RM because of its performance capabilities BUT EXCLUDING any vehicle that the NSW Supersprint Panel determines from time to time, in its absolute

discretion, is a vehicle that should be eligible to compete in either Type RR or Type RM regardless of the fact that the Manufacturer's Recommended Retail

Price of that vehicle did or does exceed the **Exotics Indexed Price**.

For the purposes of this definition, Manufacturer's Recommended Retail Price shall not include what are commonly called On Road Costs, including, without limitation, Stamp Duty, Registration Fees, premiums paid or payable for any Compulsory Third Party Insurances and any Dealer Delivery Fees.

Exotics Indexed Price means the applicable Indexed Price as at the Year of Vehicle Manufacture as shown in the following schedule:

Year of Vehicle Manufacture	Indexed Price
Any year prior to 2005	\$75,000.00
2005	\$76,800.00
2006	\$79,900.00
2007	\$81,600.00
2008	\$85,200.00
2009	\$86,400.00
2010	\$89,100.00
2011	\$92,300.00
2012	\$93,400.00
2013	\$95,600.00
2014	\$98,500.00
2015	\$100,000.00
2016	\$101,000.00
2017	\$103,000.00
2018 and any year after 2018.....	\$105,100.00

For the purpose of this definition, the Year of Vehicle Manufacture shall be the year of manufacture shown on the Identification Plate (formerly known as a Compliance Plate) attached to the vehicle.

Factory Extra means any optional extra available for purchase at the time of the sale of the original vehicle but only if such optional extra was manufactured by or on behalf of the manufacturer of the vehicle and offered for sale by the seller of the new vehicle.

Forced induction Engine means an engine that uses a gas compressor (either a supercharger or turbocharger) to increase the pressure, temperature and density of the air that is delivered to it. An engine without **forced induction** is considered a naturally aspirated engine.

Forced Induction Car means any vehicle with a **Forced Induction Engine**.

Four Wheel Drive Vehicle means a four wheel vehicle where all four wheels are or can be driven.

Improved Production Import means a race vehicle derived from a registered production automobile, with limited modifications to improve performance and reliability in speed events on circuits or closed courses. To be eligible: -

- (a) the model of the vehicle that the race vehicle was derived from must be or have been a mass-produced touring car, the model of which is or has been commercially available to the general public outside of Australia as a new car, capable of registration for normal road use in the country of manufacture, through a manufacturer's dealer network, and
- (b) at least 200 examples of such model must have been registered for road use in the country of manufacture, and
- (c) at least 200 examples of such model must have been produced in a 12 consecutive month period.

Kit Car means a car produced by the assembly of a kit or set of components supplied by a supplier, which supplier may or may not be the manufacturer of some or all of the components supplied, where the assembly of the components is carried out by a party other than the supplier of the components.

Production Sports Car means any vehicle that complies with either the Group 2B or the Group 2F Prodsport regulations contained in the Motorsport Australia Manual and includes any vehicle specified in the Group 2B/2F – Prodsports Eligible Vehicles list but it excludes any vehicle contained in that list that is a **Clubman**.

Production Car means a mass-produced automobile, either manufactured in Australia and/or overseas, the model of which is or has been commercially available to the general public in Australia and/or overseas as a new car through a manufacturer's dealer network, and

- (a) at least 200 examples of such model must have been registered for normal road use in Australia and/or in the country of manufacture, and
- (b) at least 200 examples of such model must have been produced in a 12 consecutive month period.

Racing Car means an automobile offering accommodation for one person designed exclusively for races and speed events that complies with: -

- (a) the General Requirements of Automobiles specified in Schedules A, B and C, and
- (b) the General Requirements specified in 1st Category: Racing Cars

of the Motorsport Australia Manual.

Registration Papers, in respect of a vehicle, means the documentation identifying the vehicle issued by the appropriate body administering the registration system of

vehicles used for normal road use in Australia that identifies the registered operator of the vehicle and the fact that it is **Road**

Registered.

Replica means a car that is not mass produced but is generally available to the public and which is intended to resemble a car manufactured by others either in performance or appearance.

Road Registered means registered for general road use in New South Wales by the NSW Roads and Maritime Service or in any other state or territory within the Commonwealth of Australia by its interstate equivalent including but limited to any vehicle registered in New South Wales under the Historic Vehicle Scheme (HVS) or the Classic Vehicle Scheme (CVS).

Road Tyres means:-

- (a) any tyre that is specified by both manufacturer and tyre name in the Production Car Tyre List contained in Schedule E of the Motorsport Australia Manual, and/or
- (b) any tyre that complies with the requirements set out in Article 8.1(c) of Schedule E of the Motorsport Australia Manual and which is approved by the NSW Supersprint Panel using its absolute discretion, and/or
- (c) any tyre that is specified by both manufacturer and tyre name in the **"Supplementary Approved Road Tyres Schedule"**.

The **"Supplementary Approved Road Tyres Schedule"** is located at the end of these Technical Regulations.

Sports Car means an automobile with no more than two (2) doors designed primarily for road use with at least two (2) seats equally disposed about the centreline of the automobile capable of seating two adults.

Sports Racing Car means a two-seater sports car or other two-seater highly modified car that complies with any of the Groups specified in 2nd Category: Sports Cars of the

Motorsport Australia Manual.

Sports Racer means a restricted design open, centre seated, sports- racing car with a mid-mounted engine driving the rear wheels only and intended for use in speed events and races as described and specified in

6th Category: Other Vehicles of the Motorsport Australia Manual as a Sports Racer.

Touring Car means an automobile designed primarily for road use with at least four (4) seats capable of seating four (4) adults with seats and leg room complying with the dimensions defined for touring cars by the FIA.

Two Wheel Drive Vehicle means a four wheel vehicle where only two wheels of the vehicle are or can be driven and includes both rear wheel drive and front wheel drive vehicles.

To assist in the interpretation of these regulations, the words and phrases defined in this Definition section shall be shown throughout these regulations in **bold font in italics**.

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TYPE 1S

OPEN WHEELERS AND CLUBMANS ON SLICKS TECHNICAL

REGULATIONS

1. General

1.1 This type is intended for:

- (a) all **Clubmans**, **Kit Cars** and **Replicas** (whether **Road Registered** or not),
- (b) **Racing Cars**,
- (c) **Sports Racing Cars**,
- (d) **Sports Racers**, and
- (e) such other unregistered vehicles, without limitation, built specifically for racing and/or speed events that the NSW Supersprint Panel may determine, in its absolute discretion, are eligible to compete as Type 1S vehicles.

1.2 Go Karts, other vehicles of a similar size and structure and any vehicle that the NSW Supersprint Panel determines to be unsafe for visibility reasons to compete in a multi car event are specifically excluded from this Type.

1.3 All vehicles in this Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual AND, with the exception of any vehicle determined by the NSW Supersprint Panel to be eligible to compete as a Type 1S vehicle pursuant to Type 1S Vehicle Regulation 1.1(e) above :

- (a) **Racing Cars** must conform to the 1st Category: Racing Cars specifications contained in the Motorsport Australia Manual and to one of the Formulas from time to time that are specified in the 1st Category: Racing Cars as referred to in the Motorsport Australia Manual and as may be applicable to the vehicle,

- (b) **Sports Racing Cars** must conform to the specifications contained in one of the Groups from time to time that are specified in the 2nd Category: Sports Cars as referred to in the Motorsport Australia Manual and as may be applicable to the vehicle,
- (c) **Sports Racers** must conform to the specifications contained in Group 6SR: Sports Racers specified in the 6th Category: Other Vehicles as referred to in the Motorsport Australia Manual.

1.4 Notwithstanding Regulation 1.2 of these Type 1S Regulations, all vehicles in this Type with an engine displacement of 3,529cc or less are permitted to install a supercharger or a turbocharger but if installed in a Formula Vee, Formula Ford 1600 or a Formula Ford, the vehicle will no longer be eligible to compete in Class 1S1 or 1S2 (as may be applicable) and it must compete in Class 1S3 or Class 1S4 as may be determined by the engine capacity.

1.5 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as either a Class 1S1 or Class 1S2 vehicle pursuant to these regulations shall be eligible to be entered in any supersprint as a Class 1S3 or Class 1S4 vehicle provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.

2. **Log Book**

2.1 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.

3.1 Tyres

- 3.1 Subject to the exclusions and matters contained in Clauses 3.2 and 3.3 of these Type 1S regulations, all vehicles are permitted to use slicks in this Type 1S.
- 3.2 Formula Vees, Formula Ford 1600s and Formula Fords must use either the control tyres specified in the description of a Formula Vee, Formula Ford 1600 or a Formula Ford (as applicable) in the Motorsport Australia Manual or **Road Tyres** to remain eligible to compete as a Formula Vee, a Formula Ford 1600 or a Formula Ford and be eligible for Classes 1S1 and 1S2. However, any vehicle that otherwise conforms as a Formula Vee, a Formula Ford 1600 or a Formula Ford shall be permitted to employ or use slicks but if it does so it shall no longer be classified as a Formula Vee, a Formula Ford 1600 or a Formula Ford but shall be classified as a Class 1S3 vehicle.
- 3.3 Vehicles competing in Class 1S1 of these Type 1S regulations must use **Road Tyres**.

TYPE 2R

PRODUCTION SPORTS CARS ON ROAD TYRES TECHNICAL

REGULATIONS

(Based on Group 2F - Prodsports Regulations)

1. General

1.1 Apart from anything to the contrary specifically contained in these Type 2R Regulations and in the available classes for Type 2R as set out earlier in these Technical Regulations, to be eligible to compete in this Type a vehicle must either:-

- (a) comply with the Group 2F: Prodsports regulations as specified in the Motorsport Australia Manual, or
- (b) be both a **Production Sports Car** and an **Exotic** that, apart from being an **Exotic**, complies with the Type RM Regulations.

1.2 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual

1.3 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as a Type 2R vehicle pursuant to these regulations shall be permitted enter in any Class in this Type 2R provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.

2. Safety

2.1 Vehicles that are not **Road Registered**:-

- (a) must be fitted with an approved roll cage, and
- (b) if the vehicle is a closed vehicle, a safety window net that complies with the requirements set out in Schedule I – Safety

Harnesses/Window Nets of the General Requirements for Cars and Drivers contained in the Motorsport Australia Manual must be fitted to the driver's door window opening. If the vehicle is derived from series production automobile manufactured after 1970 and retains the unmodified door, hinges and latches of the registrable automobile, then such an automobile fitted with a permanently closed shatterproof window on the driver's door that complies with strength requirements imposed Schedule I above will be deemed to comply with the requirement for a window net. If a vehicle is fitted with a detachable hardtop, whether supplied or manufactured by the manufacturer of the vehicle or not, and that vehicle would be defined as an Open Automobile in the Definitions-Technical section of the Motorsport Australia Manual if it did not have such hardtop, then any such vehicle shall not be required to fit a window net.

3. **Log Book**

- 3.1 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.

4. **Exclusions**

- 4.1 **Clubmans, Kit Cars** and **Replicas** are excluded from this Type.

5. **Tyres**

- 5.1 **Road Tyres** must be used on all vehicles competing in this Type.

TYPE 2S

PRODUCTION SPORTS CARS ON SLICKS TECHNICAL

REGULATIONS

(Based on Group 2B Prodsports Regulations)

1. General

1.1 Apart from anything to the contrary specifically contained in these Type 2S Regulations and in the available classes for Type 2S as set out earlier in these Technical Regulations, to be eligible to compete in this Type a vehicle must comply with the Group 2B Prodsports regulations as specified in the Motorsport Australia Manual. However, if a vehicle:-

(a) complies with the Group 2F Prodsports regulations as specified in the Motorsport Australia Manual or

(b) if it is a **Sports Car** that is both **Road Registered** and a **Production Car**

then it shall be entitled to the freedoms and be subject to the restrictions listed hereafter and be eligible to compete in this Type 2S.

1.2 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual.

1.3 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as a Type 2S vehicle pursuant to these regulations shall be permitted enter in any Class in this Type 2S provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.

1.4 **Clubmans, Kit Cars** and **Replicas** are specifically excluded from this Type

2. Safety

2.1 Vehicles that are not **Road Registered** must be fitted with:-

- (a) an approved roll cage, and
- (b) if the vehicle is a closed vehicle, a safety window net that complies with the requirements set out in Schedule I – Safety Harnesses/Window Nets of the General Requirements for Cars and Drivers contained in the Motorsport Australia Manual must be fitted to the driver's door window opening. If the vehicle is derived from series production automobile manufactured after 1970 and retains the unmodified door, hinges and latches of the registrable automobile, then such an automobile fitted with a permanently closed shatterproof window on the driver's door that complies with strength requirements imposed Schedule I above will be deemed to comply with the requirement for a window net. If a vehicle is fitted with a detachable hardtop, whether supplied or manufactured by the manufacturer of the vehicle or not, and that vehicle would be defined as an Open Automobile in the Definitions-Technical section of the Motorsport Australia Manual if it did not have such hardtop, then any such vehicle shall not be required to fit a window net.

3. **Log Book**

3.1 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.

TYPE 3R

TOURING CARS ON ROAD TYRES

TECHNICAL REGULATIONS

(Based on Group 3J Improved Production Cars Regulations)

1. General

1.1 Apart from anything to the contrary specifically contained in these Type 3R Regulations and in the available classes for Type 3R as set out earlier in these Technical Regulations, to be eligible to compete in this Type a vehicle must comply with the Group 3J: Improved Production Cars regulations as specified in the Motorsport Australia Manual. However, if a vehicle complies with:-

- (a) the Group 3E: Production Cars, or
- (b) the Group 3H: HQ Holdens or
- (c) the Group 3K: Saloon Cars regulations as contained in the Motorsport Australia Manual or
- (d) is both a **Touring Car** and an **Exotic** that, apart from being an **Exotic**, complies with the Type RM Regulations

then it shall also be entitled to the freedoms and be subject to the restrictions listed hereafter and be eligible to compete in this Type 3R.

1.2 If it is a vehicle that otherwise complies with the requirements for Group 3E: Production Cars, Group 3E: HQ Holdens, Group 3J: Improved Production Cars or Group 3K: Saloon Cars as defined in the Motorsport Australia Manual, a vehicle that is a hatchback, station wagon, utility or a van shall be eligible to compete in this Type 3R.

1.4 If a vehicle complies with all of the requirements of a Group 3J: Improved Production Car as defined in the Motorsport Australia Manual other than those contained in Clause 1.1 of those requirements, an **Improved Production Import** is permitted to compete in this Type 3R.

1.5 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as a Type 3R vehicle pursuant to these regulations shall be permitted to enter in any Class in this Type 3R provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.

1.6 Vehicles that are not **Road Registered**:-

- (a) must be fitted with an approved roll cage, and
- (b) if the vehicle is a closed vehicle, a safety window net that complies with the requirements set out in Schedule I – Safety Harnesses/Window Nets of the General Requirements for Cars and Drivers contained in the Motorsport Australia Manual must be fitted to the driver's door window opening. If the vehicle is derived from series production automobile manufactured after 1970 and retains the unmodified door, hinges and latches of the registrable automobile, then such an automobile fitted with a permanently closed shatterproof window on the driver's door that complies with strength requirements imposed Schedule I above will be deemed to comply with the requirement for a window net.

1.7 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.

1.8 **Clubmans, Kit Cars** and **Replicas** are excluded from this Type.

1.9 All vehicles in this Type, including Group 3E: Production Cars, Group 3H: HQ Holdens and Group 3K: Saloon Cars, must comply with all of the Group 3J: Improved Production Cars regulations contained in the Motorsport Australia

Manual that relate to **Forced Induction Cars** or **Forced Induction Engines**, including the use of a **Motorsport Australia Approved Restrictor**, a **Motorsport Australia Approved Boost Monitor** and **EMS Modifications**.

1.10 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual

1.11 A maximum capacity of 6000cc shall apply to all vehicles in this Type, including Group 3E Production Cars, Group 3H: HQ Holdens and Group 3K: Saloon Cars, **BUT** it shall not apply to any vehicle that complies with Articles 16.2 and 16.3 of the Group 3J: Improved Production Cars regulations contained in the Motorsport Australia Manual.

2 **Roll Over Protection**

2.1 Any vehicle that is not **Road Registered** must be fitted with an approved roll cage.

3. **Wheels and Tyres**

3.1 Wheels can be altered in accordance with Group 3J: Improved Production Cars regulations, or may be altered to any width, provided that the upper part of the wheel (rim flange and tyre flank) when viewed vertically over the wheel hub centre must be housed within the original bodywork when measured vertically. Reforming of the wheel-arch beading against the inside of the mudguard is permitted.

3.2 **Road Tyres** must be used on all vehicles competing in this Type.
Tyre sizes with respect to width and aspect ratio are free.

3.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.

TYPE 3S

TOURING CARS ON SLICKS

TECHNICAL REGULATIONS

(Based on Group 3D Sports Sedan Regulations)

1. General

1.1 Apart from anything to the contrary specifically contained in these Type 3S Regulations and in the available classes for Type 3S as set out earlier in these Technical Regulations, to be eligible to compete in this Type a vehicle must comply with the Group 3D: Sports Sedans regulations as contained in the Motorsport Australia Manual. However, if a vehicle complies with:-

- (a) the Group 3E: Production Cars or
- (b) the Group 3H: HQ Holdens or
- (c) the Group 3J: Improved Production Cars or
- (d) the Group 3K: Saloon cars regulations as contained in the Motorsport Australia Manual or
- (e) if it is a **Touring Car** that is both **Road Registered** and a **Production Car**

then it shall be entitled to the freedoms and be subject to the restrictions listed hereafter and be eligible to compete in this Type 3S.

1.2 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual.

1.3 Type 3R Improved Production Cars competing in this Type 3S will not be required to comply with any restrictions concerning any forced induction used in the vehicle that may be either specified or applicable under the Group 3J Improved Production Car regulations contained in the Motorsport Australia Manual.

- 1.4 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as a Type 3S vehicle pursuant to these regulations shall be permitted enter in any Class in this Type 3S provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.5 A maximum engine capacity of 6,000cc shall apply to all vehicles competing in this Type 3S. However, any **Touring Car** that is **Road Registered** that has a standard engine capacity above 6,000cc may retain its original capacity plus 2% and shall compete in Class 3S4.
- 1.6 Provided that it is Road Registered or it otherwise complies with the requirements for either a Group 3D Sports Sedan or Group 3J improved Production Car as defined in the Motorsport Australia Manual, a vehicle that is a hatchback, station wagon, utility or a van shall be eligible to compete in this Type 3S.
- 1.7 **Clubmans, Kit Cars** and **Replicas** are specifically excluded from this Type

2. **Safety**

- 2.1 Vehicles that are not **Road Registered** must be fitted with:- (a) an approved roll cage, and
- (b) if the vehicle is a closed vehicle, a safety window net that complies with the requirements set out in Schedule I – Safety Harnesses/Window Nets of the General Requirements for Cars and Drivers contained in the Motorsport Australia Manual must be fitted to the driver's door window opening. If the vehicle is derived from series production automobile manufactured after 1970 and retains the unmodified door, hinges and latches of the registrable automobile, then such an automobile fitted with a permanently closed shatterproof window on the driver's door that complies with strength requirements imposed Schedule I above will be deemed to comply with the requirement for a
- window net. If a vehicle is fitted with a detachable hardtop, whether supplied or manufactured by the manufacturer of the vehicle or not, and that vehicle would be defined as an Open Automobile in

the Definitions-Technical section of the Motorsport Australia Manual if it did not have such hardtop, then any such vehicle shall not be required to fit a window net.

3. **Log Book**

- 3.1 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.

APPROVED

TYPE RR

ROAD REGISTERED CARS ON ROAD TYRES – MINOR MODIFICATIONS

TECHNICAL REGULATIONS

1 General

- 1.1 This Type is generally intended for **Road Registered** vehicles with limited modifications. **Exotics, Clubmans, Kit Cars** and **Replicas** are specifically excluded from this Type.
- 1.2 Allowable vehicle body types include open sports (with mudguards), sports coupes, sedans, station wagons, utilities and vans.
- 1.3 The entire vehicle must be as originally specified by the manufacturer except for the specific freedoms allowed herein.
- 1.4 The vehicle must be a **Production Car**.
- 1.5 The vehicle must be **Road Registered**.
- 1.6 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual. Any modifications necessary to comply with the said requirements are permitted.
- 1.7 Where freedom is permitted to fit nominated or recognised parts, such freedom is strictly limited to such components themselves and it shall not be permissible to modify other parts, save by the drilling of holes for supporting purposes.
- 1.8 The NSW Supersprint Panel reserves the right to recognise or reject makes and models at its' discretion.
- 1.9 Any vehicle that is classified as a Type RR vehicle pursuant to these regulations shall be permitted to enter in any Class in this Type RR provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.

1.10 Number plates may be removed or concealed but current **Registration Papers** must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify both the ownership of the vehicle and that the vehicle is **Road Registered**.

1.11 **Factory Extras** are permitted.

2. Coachwork

2.1 Safety equipment and cosmetic or comfort accessories may be added, provided that they do not improve the performance of the vehicle.

2.2 Additional instruments and switches are permitted and may be fitted to a separate panel.

2.3 Additional headlights (e.g. fog lights and driving lights) are permitted.

2.4 The spare wheel and associated tools may be removed.

2.5 The driver's seat may be replaced with a non-standard seat that is commercially available and permitted in a **Road Registered** vehicle. The front passenger's seat may also be replaced provided that the replacement seat is equivalent to or better than the seat replacing the driver's seat. Seat supports may be modified to enable fitment of an allowable replacement seat. Any rear seat or seats may be removed.

3. Engine

3.1 The engine may be reconditioned as stated in the manufacturer's repair manual.

3.2 Baffle plates may be fitted to the removable section of the oil pan.

3.3 Freedom of supply is permitted in respect to condensers, coils, filter elements, spark plugs, leads, fan belts, radiator hoses and gaskets.

3.4 The exhaust system is free on naturally aspirated vehicles and supercharged vehicles. On turbocharged vehicles the exhaust is free from the exit of the turbocharger only. No muffler(s) shall be visible outside the perimeter of the vehicle when viewed from above or the side. Noise restriction requirements of the vehicle registration authority must be adhered to.

3.5 No **EMS Modifications** are permitted.

3.6 Carburettors may be replaced, provided the replacement(s) are of the same configuration (i.e. downdraught or side draught) and have the same number of inlet venturis as the originals.

3.7 A sandwich-type adaptor plate to enable installation of a replacement carburettor is permitted.

3.8 **Cold Air Boxes** are permitted.

4. **Transmission**

4.1 Clutch linings are free, as is their method of attachment.

4.2 Limited slip differentials are permitted only when available as an option for the model concerned from the original manufacturer, or its authorised supplier.

5. **Brakes**

5.1 Brake linings and rotors are free provided that:-

- (i) the diameters of the rotors are not increased, and
- (ii) the width of wheels is not increased beyond that permitted in these Type RR Regulations.

6. **Suspension**

6.1 The type of shock absorber is free but not their number or mounting points.

6.2 The rate and length of springs is free and adjustable spring platforms are permitted.

6.3 Sway bars may be added, replaced or deleted.

6.4 It is permitted to adjust the wheel alignment in accordance with the manufacturer's recommendations and/or normal wheel alignment principles,

except that the original dimensions must be respected as to wheelbase and a maximum increase in track of 25mm is permitted for camber adjustment only.

6.5 Camber may be adjusted to a maximum of 3 degrees negative by the use of either aftermarket kits or equipment or by the physical modification of any component or components that form part of the suspension to the vehicle provided that the tyres do not come in contact with and remain clear of the vehicle.

6.6 Plain bushings may be replaced by those of a different material provided that original dimensions are retained.

7. Fuel

7.1 Only Commercial Fuel may be used.

8. Wheels and Tyres

8.1 Wheels can be altered by up to 25 millimetres in width over manufacturer's original specifications, provided that the tyres do not extend beyond the outer edge of the coachwork (including wheel arch flares) when viewed vertically from above.

8.2 **Road Tyres** must be used on all vehicles competing in this Type.

Tyre sizes must adhere to manufacturers' original specifications in respect to width and aspect ratio or as close thereto as commercially available.

8.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.

TYPE RM

ROAD REGISTERED CARS ON ROAD TYRES – MODERATE MODIFICATIONS

TECHNICAL REGULATIONS

1. General

- 1.1 The type is generally intended for **Road Registered** vehicles with modifications in excess of those permitted in Type RR. **Exotics, Clubmans, Kit Cars** and **Replicas** are specifically excluded from this Type.
- 1.2 Allowable vehicle body types include open sports (with mudguards), sports coupes, sedans, hatchbacks, station wagons, utilities and vans.
- 1.3 The entire vehicle must be as originally specified by the manufacturer except for the specific freedoms allowed herein.
- 1.4 The vehicle must be a **Production Car**.
- 1.5 The vehicle must be **Road Registered**.
- 1.6 All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual. Any modifications necessary to comply with the said requirements are permitted.
- 1.7 Where freedom is permitted to fit nominated or recognised parts, such freedom is strictly limited to such components themselves and it shall not be permissible to modify other parts, save by the drilling of holes for supporting purposes.
- 1.8 The NSW Supersprint Panel reserves the right to recognise or reject makes and models at its discretion.

- 1.9 To enable class amalgamations to be made pursuant to the Supersprint Championship Sporting regulations, any vehicle that is classified as a Type RM vehicle pursuant to these regulations shall be permitted to enter in any Class in this Type RM provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.10 Number plates may be removed or concealed but current **Registration Papers** must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify both the ownership of the vehicle and that the vehicle is **Road Registered**.
- 1.11 **Factory Extras** are permitted.
- 1.12 **EMS Modifications** are permitted to all vehicles in this Type RM.

2. Coachwork

- 2.1 Safety equipment and cosmetic or comfort accessories may be added, provided they do not improve the performance of the vehicle.
- 2.2 Reforming of the wheel-arch beading against the inside of the mudguard is permitted, and any body joint protrusion may be rendered safe.
- 2.3 Additional instruments and switches are permitted and may be fitted to a separate panel.
- 2.4 Additional headlights (e.g. fog lights and driving lights), in accordance with 1.5, are permitted.
- 2.5 The spare wheel and associated tools may be removed.
- 2.6 The steering wheel may be replaced.
- 2.7 The addition of a sunroof does not necessarily render the vehicle ineligible. Each case should be considered on its merits, taking the extent of structural modification and safety into account.

- 2.8 All controls and their functions must remain as provided by the manufacturer, but it is permissible to arrange them in such a way as to make them more accessible and easier to use (e.g. fitting additional padding to pedals, extensions to switches, etc)
- 2.9 The driver's seat may be replaced with a non-standard seat that is commercially available and permitted in a **Road Registered** vehicle. The front passenger's seat may also be replaced provided that the replacement seat is of a standard that is equivalent to or better than the seat replacing the driver's seat. Seat supports may be modified to enable fitment of an allowable replacement seat. Any rear seat or seats may be removed.
- 2.10 Carpets and sound deadening material may be removed.
- 2.11 Bracing may be fitted between the front MacPherson strut towers.

3. Engine

- 3.1 Carburettors may be replaced, provided the replacement(s) are of the same configuration (i.e. downdraught or side draught) and have the same number of inlet venturis as the originals.
- 3.2 A sandwich-type adaptor plate to enable installation of a replacement carburettor is permitted.
- 3.3 Fuel injectors are free but not their number or position. Fuel injection cannot replace carburettor(s) and vice versa.
- 3.4 Pistons and piston rings are free.
- 3.5 Material may be removed from, but not added to, piston crowns and cylinder heads for the purpose of volumetric balancing of the combustion chambers only.
- 3.6 Material may be removed from conrods, crankshafts and flywheels for the purpose of balancing and surface polishing.

- 3.7 Material may be removed from cylinder bores (for reconditioning purposes) to the limit of manufacturer's specifications.
- 3.8 The camshaft is free but not the number of bearings.
- 3.9 Inlet and exhaust manifolds and ports may be internally polished and reshaped.
- 3.10 On rotary engines the original dimensions of the intake and exhaust ports on the inner side of the engine can be changed, however, bridge and peripheral porting is not permitted
- 3.11 Apart from:-
- (i) any **EMS Modifications** that are permitted pursuant to Regulation 1.12 of these Type RM regulations or
 - (ii) the fitting of a **Cold Air Box** that is permitted pursuant to Regulation 3.17 of these Type RM regulations,
- no modifications are permitted to be made on turbocharged vehicles to the induction system or any components associated with its functioning.
- 3.12 Baffle plates may be fitted and modifications may be made to increase the oil capacity of the removable section of the oil pan.
- 3.13 The air cleaner and filter element is free.
- 3.14 Freedom of supply is permitted in respect to condensers, coils, filter elements, spark plugs, leads, fan belts, radiator hoses and gaskets.
- 3.15 The exhaust system is free on naturally aspirated vehicles and supercharged vehicles. On turbocharged vehicles the exhaust is free from the exit of the turbocharger only. No muffler(s) shall be visible outside the perimeter of the vehicle when viewed from above or the side. Note: noise restriction requirements of the vehicle registration authority must be adhered to.
- 3.16 Air conditioning systems are free.

3.17 **Cold Air Boxes** are permitted.

4. Transmission

4.1 Clutch linings are free, as is their method of attachment.

4.2 Limited slip differentials are permitted only when available as an option for the model concerned from the original manufacturer, or its authorised supplier. Modifications to the differential cover or the fitting of a high capacity differential cover to increase the oil capacity of the vehicle differential are permitted.

4.3 Non-standard gear and differential ratios are permitted only when available as an option for the model concerned from the original manufacturer, or its authorised supplier.

5. Brakes

5.1 Brakes (including rotors, calipers, number of calipers, number of brake caliper pistons and brake pads) are free provided that they don't come in contact with and remain clear of any wheels fitted to the vehicle in accordance with Regulation 8.1 of these Type RM Regulations.

6. Suspension

6.1 The type of shock absorber is free but not their number or mounting points.

6.2 The rate and length of springs is free and adjustable spring platforms are permitted.

6.3 Sway bars may be added, replaced or deleted.

6.4 Camber may be adjusted to a maximum of 3 degrees negative by the use of either aftermarket kits or equipment or by the physical modification of any component or components that form part of the suspension to the vehicle provided that the tyres do not come in contact with and remain clear of the vehicle.

6.5 Plain bushings may be replaced by those of a different material provided that original dimensions are retained.

7. Fuel

7.1 Only Commercial Fuel may be used.

8. Wheels and Tyres

8.1 Wheels can be altered, in both diameter and width, by up to 25 millimetres in width and 50 millimetres in diameter over manufacturer's original specifications, provided that the tyres do not extend beyond the outer edge of the coachwork (including wheel arch flares) when viewed vertically from above.

8.2 **Road Tyres** must be used on all vehicles competing in this Type. Tyre sizes with respect to width and aspect ratio are free.

8.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.

9. Steering

9.1 **Aftermarket** power steering cooling units are permitted.

TYPE TA

TIME ATTACK CARS TECHNICAL

REGULATIONS

1 General

1.1 This type is intended for highly modified mass produced vehicles and is divided into two (2) categories with the first of those categories being for vehicles that comply with Regulation #2 (“Clubsprint Category Regulations”) of these Type TA Technical Regulations, and the second for vehicles that comply with Regulation #3 (“Open Category Regulations”) of these Type TA Technical Regulations. The first category, being the one that complies with Regulation #2 (“Clubsprint Category Regulations”), shall be divided into two classes with one class being for **Two Wheel Drive Vehicles** and the other for **Four Wheel Drive Vehicles**. The second category, being the one that complies with Regulation #3 (“Open Category Regulations”), shall also be divided into two classes with one class being for **Two Wheel Drive Vehicles** and the other for **Four Wheel Drive Vehicles**.

1.2 All vehicles in this type: -

- (a) must be an **Eligible Vehicle** with the steering action on the front wheels only, unless rear wheel steering was fitted to the vehicle as standard, in which case the original system may remain, and
- (b) must be either a **Two Wheel Drive Vehicle** or a **Four Wheel Drive Vehicle**, and
- (c) must comply with either the Clubsprint Category Regulations or the Open Category Regulations set out in Regulations Nos. 2 and 3 of these Type TA Technical Regulations.

- 1.3 Specifically excluded from this type are:-
- (a) Open wheel vehicles, **Clubmans, Kit Cars** and **Replicas** and/or
 - (b) any vehicle with more than one engine.
- 1.4 All vehicles that are not **Road Registered** must be issued with a Motorsport Australia log book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is **Road Registered**, then the **Registration Papers** for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering to verify both the ownership of that vehicle and that the vehicle is **Road Registered** to permit eligibility for freedoms granted to **Road Registered** vehicles in the Type.
- 1.5 Notwithstanding any requirement to the contrary contained in the Yokohama World Time Attack Challenge Technical Regulations for all Vehicles, **Road Tyres** are permitted in this Type.
- 1.6 Vehicles that are not **Road Registered** must be fitted with: - a) an approved roll cage, and
- b) if the vehicle is a closed vehicle, a safety window net that complies with the requirements set out in Schedule I – Safety Harnesses/Window Nets of the General Requirements for Cars and Drivers contained in the Motorsport Australia Manual must be fitted to the driver's door window opening. If the vehicle is derived from series production automobile manufactured after 1970 and retains the unmodified door, hinges and latches of the registrable automobile, then such an automobile fitted with a permanently closed shatterproof window on the driver's door that complies with strength requirements imposed Schedule I above will be deemed to comply with the requirement for a window net.
- 1.7 All vehicles in the type must comply with the General Requirements of Automobiles Schedules A & B contained in the Motorsport Australia Manual.

1.8 Notwithstanding anything contained the Yokohama World Time Attack Challenge Technical Regulations or elsewhere in these Type TA Technical Regulations, Road Registered vehicles shall not be required to fit any roll over protection structure or any safety harness equipment in excess of that is required to be fitted to vehicles in Type RR of these Technical Regulations.

2. **Clubsprint Category Regulations**

2.1 All vehicles :-

- (a) must be an **Eligible Vehicle** and
- (b) must be **Road Registered** and
- (c) can only be modified as permitted in the Clubsprint competition described in the Yokohama World Time Attack Challenge Technical Regulations as may be current from time to time.

3. **Open Category Regulations**

3.1 All vehicles must

- (a) be an **Eligible Vehicle** and
- (b) can only be modified as permitted in the Open competition described in the Yokohama World Time Attack Challenge Technical Regulations as may be current from time to time.

SCHEDULES

Supplementary Approved Road Tyres Schedule

Manufacturer

Tyre Name(s)

APPROVED