2012 MACAU TOURING CAR SERIES (MTCS)
SPECIFIC TECHNICAL REGULATIONS

ELIGIBLE VEHICLES

A) AAMC CHALLENGE

AAMC CHALLENGE is for - S2000 and National S2000

a) S2000 is for cars as defined by FIA Appendix J to the International Sporting Code, Article 263. Specific Regulations for Modified Production Cars on circuits.
(Super 2000)

b) NATIONAL S2000 is for cars with current FIA Homologated for Group A, cars homologated by AAMC for Group A and those comply with Appendix J to the International Sporting Code, Article 263. Specific Regulations for Modified Production Cars on circuits with the following additional specifications:

Article 5	The minimum weight of the car, including the driver and his full equipments: 1170 Kgs for a front – wheel drive car 1200 Kgs for a rear – wheel drive car.	
Article 6.5	Extinguishers *Automatic and Manual extinguishing systems, homologated in accordance with Article 253-7 of Appendix - J, are accepted.*	
Article 7.1.1e	Engine Speed (RPM)	- Free
Article 7.1.4b; 7.1.4c	Compression Ratio and Pistons	- Free
Article 7.1.4e	Timing (Lift and valve lift rule)	- Free
Article 7.1.5	Engine Flywheel, Crankshaft and Connecting Rods	- Free
Article 7.1.6	Exhaust System	- Free
	Noise	- Free
Article 8.1	Gearbox	

Article 8.1.1 AUTHORISED GEARBOXES

Sequentially controlled gearbox with a maximum of six (6) engageable forward gears and one (1) engageable reverse gear, and in working order, are authorized.
The original production gearboxes with a maximum of six (6) engageable forward gears and one (1) engageable reverse gear, and in working order, are accepted.

Article 8.1.5 Ratios - Free

Article 8.2 Clutch - Free

Article 8.3 Differential

The final drive ratio is free provided that the original housing is retained.

Article 10.1 Complete wheel

The maximum dimensions of the 4 rims are 9" x 17" with no weight limitation. The upper part of the complete wheel (flange + rim + tyre), located vertically over the wheel hub centre, must be covered by the bodywork when measured vertically.

Tyres sizes are free – the dimensions of all 4 tyres must be identical.

Article 11 Ground Clearance

No part of the car or its suspended parts must be less than 80 mm from the ground.

This check shall be carried out on one or several flat surfaces defined by the Technical Delegate, at any time during the event.

If this check is carried out on a car taken from the parc ferme, the pressure of all four tyres must be set to 1.6 +/- 0.05 bar. No system for changing ground clearance when the car is in motion is allowed.

1) The original standard manufactured complete engine (K20A) and its components can be used interchangeably, for the following vehicle:

   Honda Motor Co. ltd. Cars model Integra Type R (DC-5), CIVIC Type R (EP3 & FD2).

2) The maximum diameter for the throttle valve of DC5, EP3 & FD2 is 64mm +/- 0.25mm.

3) The use of Homologated number: A-5697 CL7 engine spare parts on DC5, EP3 & FD2 engines are prohibited.

4) Rear Spoiler - Free

The below listed Cars homologated by AAMC are:

HONDA Motor Co. Ltd. Cars model:

Integra Type R (DC-5) <Homologation No# AAMC – 001>

Civic Type R (FD2) <Homologation No# AAMC – 005>

TOYOTA Cars model Altezza <Homologation No# AAMC – 004>

B) AAMC N2000 RACE

AAMC N2000 Race is for cars with current FIA Homologated for Group N, cars homologated by AAMC for Group N and those comply with FIA Appendix J to the International Sporting Code, Article 254, and Specific Regulations for Production Cars (Group N) with the following additional specifications:

	Flywheel	- Free
Article 6.1	Radiator	
	The material for radiator is free provided that the original capacity, mountings and installation location are retained.	
Article 6.1	Exhaust	
	Modifications to the exhaust system starting from downstream of the exhaust manifold exit are allowed provided that it remains inside the car's perimeter, it must be mounted at the original position and end at the original rear end exit location.	
	Noise	-Free
Article 6.2.1	Clutch	-Free
Article 6.4.3	Spare Wheel	
	Installation of spare wheel is prohibited.	
Article 6.5	Braking System	
	Either the car manufacturer's original brake cooling piping or one circular flexible pipe without any air ram devices/accessories is permitted to bring the air to the brakes of each front wheel using a flexible pipe with a maximum diameter of 10cms. This pipe may vary in shape to clear suspension links etc. These air pipes must not go beyond the perimeter of the car, seen from above. Diameter refers to a circular pipe – this 10cm diameter flexible pipe when squashed may well exceed 10cm.	

The front brake is free provided that they are mounted on the fixation points of the original brakes and that they comply with the following prescriptions:

The maximum number of pistons per front wheel is 4 (four).

The maximum sizes calliper piston bore dia. is 40mm

The maximum sizes of the brake disc are dia.320 x thickness 25mm

Article 6.7.2.2 Dashboard

The dashboard and the central console must remain original. The trimmings situated below the dashboard and which are not parts of it may be removed. It is permitted to remove the part of the centre console which contains neither the heating nor the instruments.

Article 6.7.2.6 Heating System

The original heating and air conditioning equipment including the auxiliary ventilating fan, air duct(s) and grille(s) may be removed.

Article 6.9 Fuel Circuit

An auxiliary petrol tank of maximum capacity of one litre is authorized.

An auxiliary petrol pump at the fuel line in between the auxiliary petrol tank and fuel injection system is permitted. It must be separated from the cockpit by a fireproof and liquid-proof protective device.

Article 6.10 Jack

Pneumatic jacks are permitted, but without the compressed air bottle on board.

1) The original standard manufactured complete engine (K20A) and its components can be used interchangeably, for the following vehicle:

   Honda Motor Co. ltd. Cars model Integra Type R (DC-5), CIVIC Type R (EP3 & FD2).

2) The maximum diameter for the throttle valve of DC5, EP3 & FD2 is 64mm +/- 0.25mm.

3) The size of the throttle valve of DC5 & EP3 can be modified from 62mm +/- 0.25mm to 64mm +/- 0.25 provided that the Throttle Valve Body must be original.

4) Article 205 (FIA Group N homologation form)

   Minimum height centre hub / wheel arch opening is no longer applicable.
   All AAMC N2000 cars will only be measured their ground clearance.

No part of the car or its suspended parts must be less than 100 mm from the ground.

This check shall be carried out on one or several flat surfaces defined by the Chief Scrutineer, at any time during the event. If this check is carried out on a car taken from the parc fermé, the pressure of all four tyres must be set to 1.6 +/- 0.05 bar." No system for changing ground clearance when the car is in motion is allowed.

The below listed Cars homologated by AAMC are:

HONDA Motor Co. Ltd. Cars model:

Integra Type R (DC-5) <Homologation No# AAMC – 002>
Civic Type R (FD2)<Homologation No# AAMC – 003>

C) AAMC ROAD SPORT CHALLENGE

AAMC Road Sport Challenge is for the cars that listed below.

(Vehicles not listed below will be subjected to review and approval by the Organiser.)

List of Road Sport cars:

Audi TT
BMW M3/ Z4
Honda NSX/ S2000
Lotus 340R/ 2-11/ Europa S/ Exige/ Elise S1/ S2
Mazda MX-5 (MZR 2.0)/ RX-7/ RX-8
Mitsubishi Lancer Evo7-10
Nissan Skyline GT-R / 350Z/ 370Z
Subaru Impreza WRX /STI
VW Golf/Scirocco

SAFETY REQUIREMENTS

The provisions of article 253 of Appendix J of the FIA year book apply in full.

a) LIGHTING

The original lighting system must be retained, with the exception of the fog lamps, and must be operational at all times during a meeting.
The headlights must have a road homologation for all countries (ECE, DOT, etc.).Glass headlights must be protected by plastic anti-shatter film.

Headlamps screens made from glass may be replaced with transparent polycarbonate screens with a minimum thickness of 3 mm.
The upper and lower edges of the headlights may be covered by adhesive tape.
However, a strip of at least 4 cm following a plane parallel to the transverse axis of the car and symmetrical in relation to the centre of the bulb must remain free over the entire width of the headlight.
The fog lamps may be removed.

Lighting systems for the engine compartment, cockpit and boot may be removed.

b) FUEL FEED SYSTEM

The original manufactured Petrol Tank is acceptable and no modification is allowed. Alternatively Safety Tanks complying with the following is allowed.

Petrol tank

FT3 1999, FT3.5 or FT5 petrol tanks meeting the FIA specifications are allowed. It is recommended that the FT3 1999, FT3.5 or FT5 tank be filled with MIL-B-83054 type safety foam.
They must be placed in the luggage compartment or in their original location, and no part may be situated rearward of the complete rear wheels. The opening remaining after the removal of the original tank may be closed by the installation of a panel.

The filling of the tank must be carried out in conformity with Article 253 of Appendix J.
The location of the filler holes is free, apart from in the window panels, and they must not protrude beyond the perimeter of the bodywork.
If the filler hole is not used, it must be sealed.

An original carbon filter in the tank air vent, as well as its control unit, may be removed.

An auxiliary tank of a maximum capacity of one litre is authorised. It must be situated such that it does not affect the safety of the vehicle in any way.

The total capacity of all the tanks may not exceed 100 litres.

The connections of the filler holes and the tank ventilation holes must be shielded by a fireproof and liquid-proof protective device.

If the petrol tank is located in the luggage compartment of a car with a tailgate, the tank must be shielded by a fireproof and liquid-proof protective device.
This new assembly must not generate an aerodynamic surface or protrude further below the vehicle than the original tank.

If the petrol tank or a pump is located in the luggage compartment, there must be a fireproof and liquid-proof bulkhead between the cockpit and the luggage compartment.

Petrol lines

The petrol lines must be of aviation quality.
The installation of petrol lines is free provided that the prescriptions of Article 253-3 of Appendix J are respected.

No petrol lines may be rearward of the complete rear wheels.

Petrol pumps

The pumps must be separated from the cockpit by a fireproof and liquid-proof protective device.

No petrol pumps or filters may be rearward of the complete rear wheels.

AWARDS AND SERIES POINTS

a) Awards

AAMC Challenge	1st – Trophy 2nd – Trophy 3rd – Trophy One Team Trophy
AAMC N2000 Race	1st - Trophy 2nd - Trophy 3rd – Trophy One Team Trophy
AAMC Road Sport Challenge	1st - Trophy 2nd - Trophy 3rd – Trophy One Team Trophy

b) Series Points

Series points will be awarded to all the classified drivers according to the following group-point system as listed.

Race Classification	Group-Point
1st	A20
2nd	A15
3rd	A12
4th	A10
5th	A8
6th	A6
7th	A4
8th	A3
9th	A2
10th	A1
11th	B20
12th	B15
13th	B12
14th	B10
15th	B8
16th	B6
17th	B4
18th	B3
19th	B2
20th	B1
21st	C20
22nd	C15
23rd	C12
24th	C10
25th	C8
26th	C6
27th	C4
28th	C3
29th	C2
30th	C1
31st	D20

32nd	D15
33rd	D12
34th	D10
35th	D8
36th	D6
37th	D4
38th	D3
39th	D2
40th	D1

Drivers may score different groups of group-point in respect to their race classifications during the series. After each round of the event, the group-point(s) as earned by the driver will be added numerically with the same group of group-point accumulated earlier. The overall winner of the series is the one who accumulates the highest group-point both alphabetically and numerically.

In case of a tie in the first highest group of group-point, the next group in alphabetical order of group-point will determine the order. The same principle will be applied should another tie in next group of group-point occur until the winner as well as the final driver classification of the series emerges. If in any case, this procedure fails to produce a result, the Stewards of the Meeting will decide the final result according to such criteria as they think fit.

Each Team needs to have at least two drivers in order to compete the Team Trophy (if the team has more than 2 drivers, then it needs to separate them into different groups), both drivers of each group have to complete the race. During the event, either change of driver or add team are not allowed. (Points will be accumulated with 2 drivers' points).

ENREIES

a) All multiple entries of vehicles in more than one race are prohibited.

b) Each entry is only entitled to one vehicle for each event.

c) Each Driver is only permitted to enter in one race category.

EVENT PROGRAMME

Event	Date	Circuit	Rounds
Event 1	27th-29th April	Zhaoqing - Guangdong International Circuit	1 & 2
Event2	25th-27th May	Zhaoqing - Guangdong International Circuit	3 & 4