

REGULATIONS AND SPECIFICATIONS FOR THE NORTHERN REGIONS 2016 BMW CCG NORTHERN REGIONS CHAMPIONSHIP

MSA NORTHERN REGIONS MOTORSPORT CIRCULAR 14/2016 (160220/144)

1. AIM OF THE CHAMPIONSHIP

The aim of the series is to provide all BMW Car Club Members with a safe and cost effective BMW racing series. It is the intention that serious competitors with purpose built track cars who have reached the ceiling in the existing BMW Club time trial series migrate into the BMW CCG Club and Regional Racing Series (also referred to as BMW CCG CRS). The aim of the championship will be to declare an overall BMW Regional Champion for 2016.

2. CONTROLLERS OF THE CHAMPIONSHIP

The Controllers of the Championship will be Motorsport S.A. (herein referred to as MSA), who have delegated the management and control to the Northern Regions Motorsport Committee and the BMW Car Club Gauteng Chairman or his appointed officials.

3. DEFINITION

The series will be limited to BMW vehicles that are powered by BMW engines only, and will be called the Bridgestone BMW Club Racing Series. The Championship will run on regional status as part of the Inland Championship tour. The Chairman reserves the right to allow or disallow any entry into the series without having to give reasons.

4. **REGULATIONS**

All qualifying races will be held under the General Competition Rules (GCR's) and Standing Supplementary Regulations (SSR's) of Motorsport South Africa (MSA), and all of the Standing Regulations and the Supplementary Regulations issued by the Promoters. No rule is intended to exist in a vacuum; each rule should be read in the context of all rules. If there are two possible interpretations to a rule, and one interpretation conflicts with another rule, or makes another rule meaningless, that interpretation will be rejected in favour of an interpretation that is not in conflict with any other rule or makes another rule meaningless. If a specific rule or latitude is not found in these regulations, whether stated it is or is not allowed, that will mean it is not allowed. The MSA GCR's will then apply.

5. ELIGIBILITY

Cars must have the engine and chassis of the same manufacturer. The Championship is open to all holders of valid MSA Regional Circuit licences issued by MSA. All drivers must be current and paid up members of BMW Car Club Gauteng, as well as having paid the BMW CCG Club Racing Series annual entry fee.

6. LATITUDES

These refer to the BMW CCG Club Racing Series Standing Supplementary Regulations.

6.1. Drivers are reminded that they assume ultimate responsibility for their race car's conformance to all rules, regulations, and specifications even if they did not perform the work themselves. Every driver is responsible to ensure that all work done and all parts installed on his race car are accomplished in a manner that ensures conformance with all applicable rules.

- 6.2. No driver under the influence of alcohol or drugs may partake in any official BMW CCG CRS session. A driver found guilty of transgression shall face penalties as decided by MSA within their rights to do so according to the MSA GCR's.
- 6.3. Passengers are not permitted during any official BMW CCG CRS session.
- 6.4. No person who has passed the first trimester of pregnancy may partake in any official BMW CCG CRS session.
- 6.5. No other person other than the registered driver on the entry form may drive their vehicle during any official BMW CCG CRS session. Should a driver on the entry list wish to drive another vehicle other than that with which he has entered, he must complete the relevant document and apply to the Clerk of the Course to do so.
- 6.6. All vehicles must be scrutineered by the scrutineer the technical committee appoints, and will be required to display the applicable scrutineering sticker in the top left corner of the windscreen.
- 6.7. Before any official BMW CCG CRS session commences on a race weekend, a drivers briefing will be held for all drivers. This is mandatory for all drivers to attend. Should you not attend a drivers briefing you will be given an official warning. Should you miss another drivers briefing, you will automatically be excluded from the race meeting. The organisers/stewards reserve the right to call any additional drivers briefing where required, and will make drivers aware of this in writing by posting a notice on the official notice board.
- 6.8. Log books are used for the duration of the season. A log book will be issued for a vehicle at the first event it has entered in the BMW CCG Club Racing Series. Replacement log books can be ordered from MSA directly and are for the driver's account.
- 6.9. Safety harness– Each vehicle must have a properly fitted 6 point safety harness with a minimum 75mm /3 inch width and must be SABS and FIA approved. The expiry date printed on the harness will be checked during scrutineering and will be obligatory as per MSA specification.
- 6.10. Brake lights are mandatory and it is highly recommended that cars have windscreen wipers, indicators and head lights.
- 6.11. Fire extinguishers A fire extinguisher that meets MSA requirements must be fitted in the interior of the vehicle in a place to which the driver has easy access.
- 6.12. Roll Cage- Each car will be required to be fitted with a roll cage welded into the vehicle, together with a "sissy bar" over the driver's door capable of preventing serious deformation of the body work in the event of a collision or roll over. Aluminium roll cages are not permitted. A full roll cage is recommended per MSA/FIA specification with a minimum of 6 mounting points. There must be a diagonal cross bar in the rear hoop. Any part of the roll cage that can come into contact with the body of the driver or passenger must be padded. Bolt in roll cages are not allowed.
- 6.13. Battery- Battery position is free, but it must be securely mounted and sealed to the satisfaction of the scrutineers.
- 6.14. Circuit breaker- A circuit breaker capable of being operated from both inside and outside the car must be fitted into one of the main battery cables and clearly marked.
- 6.15. Race suit, helmet and gloves- Drivers shall be required to wear a fire retardant race suit, as well as a crash helmet (open or closed face), balaclava and gloves. Persons wearing NON FIA race suits are required to wear fire retardant underwear. A neck restraint system is not mandatory but is highly recommended.
- 6.16. Safety net-It is mandatory that a net is fitted to the driver's side roll cage to prevent any portion of the driver's body protruding in the event of a collision or roll over and must have a quick release that is accessible to marshals or medics from outside the car.
- 6.17. Any door adjacent to a seat equipped with seat belts or harness must be capable of being opened from both inside and outside the car.
- 6.18. Towing straps-Shall be fitted to the front and rear of the vehicle should there be a need for it to be towed out of a sand trap or removed from the track. This should be clearly marked.
- 6.19. Reference to stock or standard means specification of the standard road car as sold by BMW in South Africa as a production model.
- 6.20. The stock bonnet latching mechanism may be removed when at least two bonnet pins are used to hold the bonnet closed.

- 6.21. The driver's name and number-The drivers name is required to appear on both the rear side windows and the rear window in lettering that complies with MSA GCR's, along with the driver's blood group on the side windows. Any driver that has any medical conditions that are of vital information to medical personnel must wear the applicable bracelet while driving, and ensure that this information forms part of their Medical Declaration of Fitness when applying for their annual MSA licence. The organisers/stewards/suppliers take no responsibility should this information not be made available. The car number and class letter should be clearly visible on both front doors of the vehicle on the race number boards supplied by the organisers, and in the format as specified by the organisers. Any custom number fonts, decals or graphics shall not form part of the official number boards, but may be placed elsewhere on the vehicle where it is not an infringement of series sponsor logos. See Section 14 'SPONSORS/ADVERTISING' for explanation of positions.
- 6.22. Wheel arches-Tyres may not protrude from the vehicle.
- 6.23. Window tinting is strictly prohibited.
- 6.24. Windows- Glass may be replaced with a lightened material. Only the driver's window may be completely open and then must be accompanied with a secured safety net.
- 6.25. Ducting- Free of restriction.
- 6.27. Fender well liners may be removed.
- 6.28. Wheel & Tyre Dimensions-The organisers/stewards reserve the right to adjust the width of the complete wheel or vehicle track in order to maintain the balance of performance between the cars. Measurements will be taken horizontally at axle centre line height.
- 6.29. Bodywork must be respected and must be based on a factory built model past or present. No space frame vehicles will be allowed.
- 6.30. The car must be easily recognisable as a specific model produced by BMW.
- 6.31. Aerodynamic aids- Free of restriction. Must not exceed the outer dimensions of the bodywork.
- 6.32. Body kits- Free of restriction.
- 6.33. Original basic silhouette of the vehicle as manufactured by the factory must remain intact.
- 6.34. Mounting materials may be replaced with other materials. The same amount of mountings as the original standard factory spec must be used.
- 6.35. Bodywork materials- Free of restriction.
- 6.36. Vehicle interior- The vehicle must be free of any free-moving object at all times.
- 6.37. Stripping- Free of restriction.
- 6.38. Wiring loom- May be completely removed and replaced with basic wiring required by applicable management systems.
- 6.39. Door panels- Must be covered with a singular blanking plate of any material and be securely fastened to the door panel frame.
- 6.40. Sunroof- Where applicable, where the sunroof mechanism has been removed the sunroof must either be sealed or replaced with the same material as the roof skin or Lexan or similar and tightly sealed.
- 6.43. Rear view mirrors-Exterior side view mirrors are mandatory, interior rear view mirrors are optional.
- 6.44. Driver's seat-One piece FIA approved seat for driver and passenger seat.
- 6.45. Steering wheel- Free of restriction. Airbag units must be removed.
- 6.46. Gear lever- Free of restriction.
- 6.47. All steering locks must be disabled or removed.
- 6.48. Spare wheel and tools-Must be removed.
- 6.49. Rear bulkhead must be sealed in steel. No fibre glass or carbon fibre panels may be used for the rear bulkhead. These are required if there is any fueling system present in the boot of the car that is exposed in any way. If the standard fueling system is retained under the rear seats, the rear bulkhead is not required.
- 6.50. Springs- Free of restriction.
- 6.51. Front camber plates/slotting- Free of restriction.
- 6.52. Rear camber- Free of restriction.
- 6.53. Coil overs- Free of restriction.
- 6.54. Sway bars- Free of restriction.
- 6.55. Front brace- Free of restriction.

- 6.56. Rear brace- Free of restriction.
- 6.57. Control arms- Free of restriction.
- 6.58. Spacers- Free of restriction.
- 6.59. Suspension bush material- Free of restriction.
- 6.60. Brakes- Free of restriction.
- 6.61. Brake friction materials- Free of restriction.
- 6.62. Brake fluid- Free of restriction.
- 6.63. Fuel and fuelling systems- As per MSA GCR 240 with a maximum RON of 102.6 and lead content of 0.013 gPb/l.
- 6.64. Surge tanks- Free of restriction. Must conform to the rear bulkhead rule.
- 6.65. Fuel pumps- A mechanical fuel pump may be replaced with an electrical fuel pump provided that it is wired so that it is controlled by the ignition system, to ensure shut down in the case of an accident requiring electrical cut-off. A secondary fuel pump is allowed so long as the car still conforms to the rear bulkhead rule.
- 6.66. Octane boosters- Free of restriction; refer to 6.63.
- 6.67. Intake manifold- Free of restriction.
- 6.68. Engine management chips/software- Free of restriction.
- 6.69. Engine management/ECU systems- Free of restriction.
- 6.70. Pistons- Free of restriction.
- 6.71. Crankshaft- Free of restriction.
- 6.72. Cam timing- Free of restriction.
- 6.73. Compression ratio- Free of restriction.
- 6.74. Oil coolers- Free of restriction, as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.75. Diff and gearbox coolers- Free of restriction, as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.76. Radiators- Free of restriction as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.77. Intercoolers- Free of restriction as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.78. Spark plugs- Free of restriction.
- 6.79. Ignition coils- Free of restriction.
- 6.80. Water pumps- Free of restriction, as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.81. Fans- Free of restriction as long as they are contained within the body work and do not require alteration to the outer body work or steel areas of the engine bay.
- 6.82. Catchment tank– 2 litre catch tanks must be fitted in the engine compartment to all cars that make use of forced induction. The tank must be empty before the start of each track session. Alternatively, the standard closed circuit breather system must be in operation.
- 6.83. Antifreeze or any similar substance must not be in the coolant system.
- 6.84. Sump drain plugs–Engine, gearbox and diff plugs are required and are to be wired to prevent oil leakage onto the track.
- 6.85. Catalytic converters- May be entirely removed.
- 6.86. Oil sump- Free of restriction.
- 6.87. Coolant expansion tanks- Free of restriction.
- 6.88. Bolts/Wheel nuts- Free of restriction.
- 6.89. Exhaust-Free of restriction but must adhere to the applicable noise level limit. An exhaust strap/or chain must be attached at the point where the exhaust exits the bodywork of the vehicle to tether it to the chassis. The applicable noise level limit if required will be stated in the Supplementary Regulations for each event.
- 6.90. Hoses Any hose or line passing through any part of a bulkhead or panel must be grommeted to prevent abrasion or use an appropriate metal bulkhead fitting.

7. RACE FORMAT

- 7.1. The series will comprise of a race as minimum 10 laps at Midvaal and Zwartkops and 8 laps at Phakisa, Red Star Raceway and Kyalami. Should the series host a round at a circuit not mentioned above, the Chairman will advise by means of a bulletin how many laps each race will be.
- 7.2. There will be 9 rounds in the season as laid out in the MSA calendar. All 9 rounds count towards the overall and class championships.
- 7.3. There will for the present be 5 classes, but these may be modified depending on entrants. Please refer to the class rule appendix for full explanation of the classes.
- 7.4. All 5 classes for the moment will form one race and start the race in rolling formation. Should more than 40 entries be received for a race, the controllers reserve the right to run separate races for different classes at their discretion. Refer to MSA SSR's for full rolling start procedure. No vehicle may pass the vehicle in front of his/her grid position before the light has gone off or the starter's flag has been dropped. No vehicle may pass the pole position vehicle (no 1 on the grid) before the pole position vehicle has passed the last solid white line across the pit straight.
- 7.5. Classes A-E are determined by breakout times.
- 7.6. Vehicles/Drivers will be classed accordingly after the official BMW CCG CRS qualifying session of the first race weekend. A driver will be entered into the class equivalent to the lap time set in the first official qualifying session the driver enters. A vehicle/driver may apply in writing to be classed in a class higher than his/her qualifying lap time would dictate the vehicle/driver should be entered into. The controllers may accept or deny this request without reason. Should a driver be entered into two or more championships in a race weekend and choose to only use one qualifying session for all championships, that qualifying session will be deemed as an official BMW CCG CRS session and will be subject to the normal classing and breakout rules. Should the driver use two or more qualifying sessions for the various championships, the official BMW CCG CRS qualifying session as per the program will be used as a qualifying time for BMW CCG CRS races, regardless if a better time was set in a different session.
- 7.7. Should a new driver enter the series in a vehicle previously entered by a different driver, the new driver/vehicle pairing shall be evaluated for classing. The classing system is not exclusive to a driver or a vehicle, it applies to specific driver/vehicle pairings.
- 7.8. Vehicles/Drivers will be continually evaluated throughout the season.
- 7.9. Vehicles/Drivers that enter for the first time in the season after the first official race weekend will be classed after their first official BMW CCG CRS qualifying session.
- 7.10. Should a driver not be able to enter a qualifying session in their first race meeting, the driver will be classed according to times set in the official BMW CCG CRS practice sessions. The driver will still start from the back of the grid for the first race.
- 7.11. Should a driver not have entered an official BMW CCG CRS practice or qualifying session but would like to enter a race, the driver will consult with the technical committee as to the appropriate class to enter. Should the driver break out of his time class bracket, the normal breakout penalty will be applied. The driver will start the first race at the back of the grid.
- 7.12. If a vehicle/driver breaks out of his class in a BMW CCG CRS practice session, qualifying session or race, he/she will immediately be moved up to the next class and be scored in that class for the day. The vehicle/driver will then remain in that class for the rest of the season unless he/she breaks out of the new class again at which time rule 7.12 will apply again.
- 7.13. All points will be carried over to the new class and the overall championship according to the following schedule:

Round 1-3	100%
Round 4-5	80%
Round 6-7	70%
Round 8	0%

- 7.14. A competitor may at any time apply to the technical committee in writing, supported by good reason, to change a vehicle from one class to a lower class. The technical committee will ultimately decide on whether or not to move the competitor to the lower class and if points earned will be carried over and in what ratio.
- 7.15. Any competitor who has had his/her vehicle re-classified by the technical committee shall have the right, within 14 days of being notified, to address the technical committee in writing, objecting to the reclassification. After considering the views of the competitor, the technical committee shall have the right to change or abide by their decision.
- 7.16. All class changes shall be notified to the competitor in writing. Email will be considered as written notification.
- 7.17. If a competitor changes his/her car but remains in the same class for that season, his/her points will not be reset and will be carried over to the new vehicle/driver championship.
- 7.18. If the stewards suspect a competitor of 'sandbagging' and can prove it to the satisfaction of the technical committee, they reserve the right to issue a breakout penalty.
- 7.19. Other than the normal use of pit boards, communication is permitted between the pits and participating vehicles during any official practice session, official qualifying session or official race.
- 7.20. In-car timing (by way of electronic timing equipment, stopwatches or any other means) is permitted in any official practice session, official qualifying session or official race. Telemetry data from these devices must be made available to the technical committee if it is requested by them.
- 7.21. The organisers/stewards reserve the right to amend race formats and will state these changes in the SR's for that particular event.

8. MINIMUM NUMBER OF STARTERS

8.1. To qualify as a round of the BMW CCG Club Racing Series, there must be 12 starters for the whole category for qualifying per event. The MSA Northern Region committee will be the final decision makers as to the inclusion of the event in the championship scoring.

9. GRID POSITIONS AND QUALIFYING

- 9.1. Grid positions for heat 1 will be determined by the qualifying session. Should it occur that at an event a qualifying session cannot be held, drivers will start in their current overall championship position, based on those competitors who are present at the circuit at the scheduled time of qualifying, based on a sequential descending order.
- 9.2. Grid positions for heat 2 will be based on heat 1's fastest lap time and then inverted within each class. The starting grid will be made up in the following order: A, B, C, D, and E.
- 9.3. If a competitor fails to qualify, the car will be placed at the back of the grid for heat 1. Similarly if a competitor did not qualify for heat 1 nor set a lap time in heat 1 they will start at the back of the grid for heat 2.
- 9.4. Rolling starts shall have a staggered formation as per the normal standing start grid position line up i.e. cars behind the pole car must maintain a staggered formation with each driver ensuring that the front of his/her car is behind the rear of the car next to, and ahead of, his/her car on the grid.
- 9.5. If a competitor fails to be in the nominated pre-race paddock 15 minutes before an official race or breaks down on the out lap, his spot on the grid shall be left blank and he will be required to start the warm up lap from the pits once all cars have passed pit exit and remain at the back of the grid. Other qualifying competitors are not permitted to move up a grid spot, the non-starting competitor's grid spot is to remain open. Once the two minute board is displayed on the starting grid, the pit lane exit will be closed for any drivers to enter the circuit and they will start the race in the pit lane once all cars have passed pit exit.

10. POINTS

- 10.1. The BMW CCG Club Racing Series and events to count shall be as set out in the 2016 MSA Calendar.
- 10.2. Should there be a tie at the end of the season the competitor with the greatest number of first positions will be declared the champion, failing this seconds and then thirds and so on. If this remains ineffective the MSA Northern Regions Motorsport Committee shall declare the Champion on such a basis as it deems fit.

- 10.3. If a tie occurs within a class at a single race meeting, the shortest time to complete both of the two heats combined will declare the overall winner and lower places as long as they have completed the same number of laps. If they are still tied, positions will be decided by the highest finishing positions of both races. If there is still a tie, they will share the class position for the day and any applicable prizes.
- 10.4. **Points Scoring** Race Points will be scored in classes on the following basis:

1st - 10 points 2nd - 8 points 3rd - 6 points 4th - 5 points 5th - 4 points 6th - 3 points

- 7th 2 points
- 8th 1 point

Where there are less than 3 cars entered into a class, they will be scored as follows:

1st - 6 points 2nd - 5 points

- 10.5. Where a race meeting is held with more than one heat, each heat will be scored as a separate race. Should a heat be stopped or shortened and not re-run before completion of 75% of the full distance, no points will be scored for that heat. If only one heat is held on a day, double heat points will be scored for the heat.
- 10.6. Competitors will only be eligible for overall championship standings when 50% or more of the rounds are entered in that given year.
- 10.7. Individual Race Points will only be awarded when a minimum of 66.7% of the race has been completed.

11. NOTES

- 11.1. Control of the BMW CCG Club Racing Series is vested in the BMW Car Club Gauteng Chairman and/or whomever he appoints as representative or controller or technical committee or BMW CCG CRS Chairman as he deems fit.
- 11.2. The Chairman will be responsible for all decisions regarding technical eligibility and classes with consultation from whomever he appoints as representative or controller or technical committee or BMW CCG CRS Chairman as he deems fit. The Chairman reserves the right to consult a judge of fact for any matter of their choosing.
- 11.3. The Chairman whomever he appoints as representative or controller or technical committee or BMW CCG CRS Chairman as he deems fit, through MSA reserves the right to exclude any car at any time from racing, should it not satisfy the eligibility requirements.
- 11.4. All vehicles are to carry series sponsors decals and numbers supplied by the organisers/stewards. (See also GCR 246).
- 11.5. The first set of decals and numbers will be supplied free of charge to competitors. Should a competitor require a second set of decals and numbers, the set will be for the competitors cost. The amount payable will be advised.
- 11.6. Any provision unforeseen in drawing up these regulations and specifications, or any additions or amendments to be made thereto, shall be the subject of a circular to these rules, issued by the Chairman and the technical committee.

12. YELLOW AND RED CARD SYSTEM

12.1. Yellow and Red cards may be awarded by the Clerk of the Course or Stewards to competitors for reckless and dangerous driving, bumping and causing damage to their own and other cars, unsportsmanlike behaviour and/or any contravention of these regulations. In an instance where there is contact between two cars, these incidents must be reported to the Clerk of the Course before 30 minutes has passed after

the race completion. The Clerk of the Course reserves the right to investigate the incident and issue a Yellow card and/or any other penalties to one or both drivers at his discretion.

- 12.2. If a competitor is issued with a Yellow card, he/she will be under observation for the following three races. If the competitor is penalised with a Yellow card whilst holding two consecutive previous Yellow cards in this period, he/she will automatically be penalised with a Red card.
- 12.3. If a competitor is penalised with a Red card, he/she will automatically be banned from participating in the following two BMW CCG Club Racing Series race heats. Two Red cards in any one season will automatically exclude the competitor for the rest of the season.
- 12.4. Non-competing BMW CCG committee members, the CoC, circuit officials and marshals are authorised to report incidents.
- 12.5. Failure to report an incident shall result in a Yellow card being issues to both drivers. These can be issued retrospectively where evidence is available of the incident.

13. PROTESTS/APPEALS/PENALTIES.

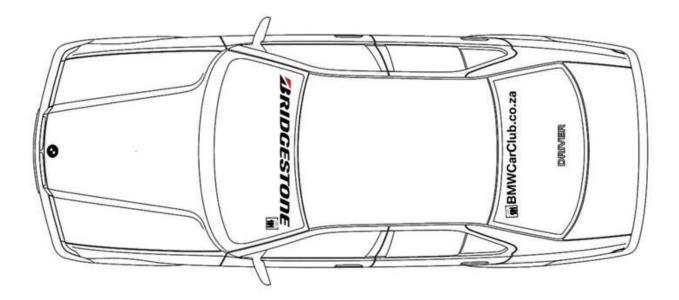
- 13.1. Results become final 30 minutes after any official session if no protests or appeals are received in this time. If protests or appeals are received in this time, the steward/CoC may choose to investigate and pose penalties within 10 business days of the incident, but is required to notify the driver in question in writing as to the time and date such penalties will be announced.
- 13.2. Results may be amended after this period if the outcome of the protest/appeal affects results in any way.
- 13.3. The Steward/CoC/Chairman may act within their rights to investigate a car or driver for transgression of any rule without requiring any official protests from any other driver. Any driver who wants to protest a transgression must follow the correct process as per the MSA GCR's.
- 13.4. Penalties are not considered confidential. Protests and appeals remain confidential until they are decided, and are not confidential afterwards. Data concerning penalties and appeals may be released by the BMW CCG Club Racing Series officials at their discretion.

14. S SPONSORS/ADVERTISING

14.1. It is a mandatory requirement that all vehicles affix sponsor and advertising branding in positions determined by the committee during every session. This is a requirement that forms part of the scrutineering process and non-conformance shall mean that a competitor is not allowed to start any official session. Refer to the figures below for guidance on provisional positions of sponsor and series branding. Should any new sponsor/partner join the series during the season, the committee will advise of the advertising requirements. These shall also become mandatory as per the above.







CLASS RULES

Technical area	Class A	Class B	Class C	Class D	<u>Class E</u>
Breakout time Zwartkops	N/A	1.06	1.10	1.14	1.18
Breakout time Kyalami	N/A	TBD	TBD	TBD	TBD
Breakout time Midvaal	N/A	1.09	1.13	1.17	1.21
Breakout time Phakisa	N/A	1.48	1.52	1.56	2.00
Breakout time Redstar (Clockwise)	N/A	2.06	2.10	2.14	2.18

NOTES ON CLASS RULES:

Should the series hold a championship round at a circuit other than those listed above, the technical committee shall determine the applicable breakout times and notify all competitors in writing 14 days before the commencement of the first official session of the applicable race weekend.