



World of Motorsport South Africa



GENERAL TECHNICAL REGULATIONS 2018

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1. ELIGIBLE VEHICLES

- 1.1. Vehicles must have valid registration and insurance and to be roadworthy for driving on public roads.
- 1.2. The rally does not require homologation / technical passport of the racing vehicles. Never the less such can help speeding up the scrutineering. There are however several safety and technical requirements which must be fulfilled before entering the scrutineering.
- 1.3. All vehicles must have all their registration plates secured to the vehicles.
- 1.4. Should the roll cage / roll bar be damaged during the event then it must be inspected by the Technical Delegate/Chief Scrutineer and the vehicle will only be permitted to continue if the cage is deemed safe by the Technical Delegate/Chief Scrutineer.
- 1.5. The overall technical requirements are a combination of the following:
 - General technical requirements for AUTO, Moto or ATV or SXS
 - The combination of all those makes the overall technical regulation for the competing vehicles
- 1.6. The Specific technical regulations for subcategories in the Cross-Country and are published in their Appendixes.

2. CLASSIFICATION

2.1. Cross Country Rally Class

Vehicles which are prepared to cover over a total distance between 2600 and 2800km for no more than 6 race days. Approximately 1600km are in Special Stages which are mainly driven on gravel and dirt roads. All vehicles must comply with the Technical Requirements of each vehicle specification. The itinerary of the rally will be drivable with a serial **2wd** vehicle.

3. VEHICLE CATEGORIES AND SUB-CATEGORIES

Refer to website: www.kalaharirally.com - Categories & Classes

- 3.1. AUTO Category.
 - 3.1.1. LIMITED subcategory.
- 3.2. Moto Category.
 - 3.2.1. LIMITED subcategory.
- 3.3. ATV Category.
 - 3.3.1. LIMITED subcategory.
- 3.4. SSV Category.

3.4.1. LIMITED subcategory.

4. DEFINITIONS (AUTO, ATV, SXS & MOTO)

- 4.1. AUTO : FIA / CLASS T(South Africa), PRODUCTION CLASS S (V6 or Smaller), Buggies (Class A/P-South Africa), & Raid Class-Non Racing(2WD & 4WD Standard Vehicles Models of mass production), which are destined for distribution to individual purchasers through the normal commercial channels of the manufacturer. Vehicles built singly and intended solely for competition.
- 4.2. ATV
Models of mass production, which are destined for distribution to individual purchasers through the normal commercial channels of the manufacturer.
- 4.3. SXS – (Side by Side)
Models of mass production, which are engineered and manufactured with two seats side-by-side and are available for distribution to individual purchasers through the normal commercial channels of the manufacturer.
- 4.4. MOTO
Models of mass production, which are destined for distribution to individual purchasers through the normal commercial channels of the manufacturer.

5. GENERAL TECHNICAL REQUIREMENTS – MOTO & ATV

- 5.1. Competitor must have a valid motorcycle license, OR Car License for ATV.
- 5.2. Rear mounted registration plate securely fixed to the vehicles.
- 5.3. Operational head and tail lights **WITH Yellow Light for ATV-STRICKLY NO BYPASS SWITCH!!!**
- 5.4. Complete Off-Road riding gear (Neck Brace is optional)
- 5.5. Chest plate or Similar is mandatory
- 5.6. First-aid-kit & Flashing Torch to the present.
- 5.7. Road Book, Trip Meter & Cap Repeater / Use of the GPS
- 5.8. Working GPS Garmin: E-Trax 10, 20 or 30
- 5.9. Cell Phone
- 5.10. Min of 3 Litres water in a Camel Pack (No water on bike required)
- 5.11. Min of 250km of Fuel Autonomy (Neutralized zones for Fuel/Service on Specials)
- 5.12. **2 x** Properly Installed “+” and “-” power supply cables directly from the vehicle’s battery for the Rally Safety System. See **Navigation Requirements** on www.kalaharirally.com
DIRECT Power Supply must NOT switch off when the engine is off.

6. GENERAL TECHNICAL REQUIREMENTS – AUTO & SXS

- 6.1. Competitor must have a valid Car license.
- 6.2. Vehicles must have all their registration plates securely fixed to the vehicles.
- 6.3. Motorsport helmets.
- 6.4. All SXS & Auto must be fitted with a roll cage. Specifications of the roll cage in the FIA Appendix J are highly recommended. See appendix 4 for details.
- 6.5. Operational head and tail lights.
- 6.6. Operational brake lights.
- 6.7. OPERATIONAL REAR FACING YELLOW LIGHT AND VISIBLE FROM THE REAR
- 6.8. Operational AIR HORN or SIMILAR LOAD HORN SYSTEM.

- 6.9. Minimum 3 point safety racing harnesses. 4 point safety racing harnesses are highly recommended. See appendix 3 for details.
- 6.10. All vehicles must be fitted with sport seats (with side support of back rest and seat and neck area).
- 6.11. It is highly recommended for all Cross Country Rally category vehicles – SXS & CAR: Mud flaps optional,
- 6.12. First-aid-kit & Flashing Torch to the present.
- 6.13. Working Garmin GPS device. See appendix 2 for allowed models.
- 6.14. **2x** Properly installed “+” and “-” power supply cables directly from the vehicle’s battery for the Rally Safety System in the cockpit. See appendix 5 for details.
See **Navigation Requirements** on www.kalaharirally.com
DIRECT Power Supply must NOT switch off when the engine is off.
- 6.15. 2pcs of 2kg fire extinguishers easily reachable by the crew members when seated. Securely fixed.
- 6.16. 2 x TEMPERATURE ACTIVATED FIRE SUPRESENT FIREBALLS FITTED IN THE ENGINE COMPARTMENT & 2 ON REAR OF CAR, 1 CLOSE TO EACH TYRE.**
<http://www.fireballrsa.co.za> **or Similar!**
- 6.17. 2pcs of minimum 6 meters tow straps with hooks or shackles.
- 6.18. A breakdown warning triangle.
- 6.19. Minimum one front and one rear towing hook. Both must be painted in highly visible color.
- 6.20. Vehicles with no doors or door windows must have window nets installed. The nets must cover at least 70% of the opening and be readily opened from the top or bottom, from inside and outside the vehicle. The net’s mesh size must be no greater than 50mm x 50mm or FIA homologated / expired homologation.

7. SPECIFIC SAFETY REQUIREMENTS FOR MOTO & ATV

- 7.1. Full Off Road Gear. See appendix 1 for allowed type constructions.
- 7.2. Moto-cross clothes with chest & back protector, shoulders and knees.
- 7.3. Moto-cross boots (no others will be allowed).
- 7.4. Neck Brace is not compulsory
- 7.5. Gloves.
- 7.6. Min of 3 Litres of Water in a Camel Pack (NO WATER REQUIRED IN THE BIKE/ATV)

8. SPECIFIC SAFETY REQUIREMENTS FOR AUTO & SXS

- 8.1. A safety net / Window on the doors, following the FIA guides lines must be fitted and stretched when vehicle in motion.
- 8.2. All SXS must have a solid roof firmly fixed to the roll cage. It is highly recommended a firmly fixed metal roof of minimum 1.5mm thickness.
- 8.3. Highly recommended at least 1 diagonal cross member on the roll cage.

9. RECOMMENDED EQUIPMENT

All the necessary spare parts and tools typical for the vehicle should be brought to the rally, sufficient lights (not only for the marathon stage), a torch, shackles, a high-lift, a spade, etc.

All vehicles, also the service vehicles and other vehicles, must have a valid registration and insurance and be roadworthy for the participation in the evaluated stages.

10. FUEL AUTHONOMY

- MOTO & QUAD 250km +10% Safety
- AUTO & SXS 250km +10% Safety

Each competitor is responsible of the calculation of his autonomy. He cannot in any case make any claims against the Organization, if his vehicle doesn’t reach the coverage of the minimum distance of 250km, whichever is the nature of the terrain. For safety reasons, an additional autonomy of 10% is recommended.

11. AT THE SCRUTINEERING

The fact to present a vehicle at the technical check is considered as an implicit declaration of conformity. Having stickered their vehicles according to the received sticker plan the participants go to scrutineering.

At the Scrutineering will be controlled the obligatory technical condition, conformity with the specific technical regulations for the subcategories and the mandatory equipment.

Vehicle must be presented as it would be as when presented at each prestart at the beginning of each race Stage.

The racing helmets of the competitors must be presented at the scrutineering to checks and if required additional marking.

The mandatory equipment for the particular category, such as first aid kit, towing straps, recovery accessories or off road gear must be prepared in advance in order to speed up the process of scrutineering.

If needed, the Orga will mark the presented equipment.

If these conditions are satisfied and the signed disclaimer is submitted the participant receives the start permission.

COMPETITOR & SERVICE CREW VEHICLES:

All competitors & Service Crew Vehicles must pass through Technical Inspection & Decals Fitment by Officials with all gear required for every category.