

Classification "NEZ CHAMPIONSHIP"

Technical regulations for cars prepared for off-road (Group TR1) 2015-2016 year

In case of cars inadequacy for group TR1 by one or more parameters, which do not influence cars passability, security of crew and persons around, concerned person should submit application in written form to technical commission in order to be authorized to start in group TR1. All organizers of the competition must verify submitted authorization.

Category sport

1. Definition

Off-road car with wheel formula 4x4, specially prepared to participate in competitions:

- Stockcar (Series production cars) produced at least 1000 identical units.

It is allowed to compare car parts with serial parts during technical inspection.

All the vehicles of TR1 group must possess third party insurance and a certificate that the vehicle has passed the roadworthiness test.

2. Enhancement.

Enhancement of any car part should follow: used material repeats shape of part, if enhancement is not talked out in concrete paragraph of these rules.

Cars exterior must be kept, as it is original.

3. Seats.

It is allowed to install any car seats. Seats must be safely fixed. Third row of seats can be removed. Cars must have room to accommodate at least two persons. Car must have at least three point car safety belts, factory produced, for all crew members. Third or side seat must be equipped with at least four point seat belt factory produced.

4. Cars construction

If in one or other paragraph of these technical regulations there are list of allowed rebuilds, changes or upgrades, then all other changes, not mentioned in the list, are question less **forbidden**.

The only work which may be carried out on the car is that necessary for its normal servicing or for the replacement of parts worn through use or accident. The limits of the modifications and fittings allowed are specified hereinafter. Apart from these, any part worn through use or accident can only be replaced by an original part identical to the damaged one.

It is strongly stated that cars must be stockcars, recognizable (identifiable) by factory data (catalogue or homologation form).

All cars must be registered in traffic police institutions and allowed to participate in road traffic (must have ticket or mark that car has passed roadworthiness test).

Any car changes, adds or modifications must not conflict with countries, where competition is taking place, laws.

5. Car weight

Car weight must not be more than 3500 kg.

Decision about car weight check is on technical commission delegate.

Car weight must be checked "as car is" and the result compared with limits.

All tanks consisting fluids (oil, cooling, brake, heating and others) must be filled to normal level mentioned by producer. Exceptions: windscreen and light cleaner fluid tanks, brake cooling tanks, fuel tank, and water spray system tanks, those tanks must be empty during weight control.

6. Technical requirements

Wheel formula

It is allowed to use units that realize special wheel formula 4x4, it is:

- Total wheel number touching ground must be four;
- Total number of driving wheels must be four.

Usage of any other wheel formula is strongly forbidden.

Engine: Original.

Cooling circuit: Original.

Air filter: It is forbidden to take air from cockpit.

Petrol: It is allowed to use only officially provided petrol marks, sold by authorized providers. Any additive to petrol is strongly forbidden. In engine as oxidant must be used only air from surrounding atmosphere.

Exhaust: Original.

Transmission: Original.

Suspension: It is prohibited to change walk of suspension system and lift of the system.

Axles: Original. It is allowed to install blocking system.

6.6. Wheels and tires

It is allowed to use wheels not more than 820 mm, measured at 1,0 atm., it is prohibited to use wheels from special cars, agricultural machines, and special road technique units. Tyre width is restricted to 320mm, and tyres must be covered by mudguards or arch extensions. It is forbidden to cut in protector. Discs must be factory produced. Discs planed for side tire fixing are forbidden.

6.7. Brake system

Original, including lay brake.

6.8. Steering system

Original. It is allowed to interchange steering wheel with another factory provided.

6.9. Bodywork

Original. Bodywork lift is forbidden.

6.9.1. Exterior

It is allowed to install plastic parts for wheel arches. Cars with soft tops must have additional metal roof installed over the seats with following dimensions:

Width: as wide as the upper side of the windscreen.

Length: must cover the space between the windscreen and either the back of the car's backseat (passenger seat – in case if there are only two seats in the car) or the main arc of the safety cage.

Minimum Thickness: 1mm for sheet metal; 2mm for aluminum
Factory manufactured plastic hard tops are allowed.
Body protection:

Allowed to use additional protecting elements under body to realize protection of the following car parts: engine, cooler, suspension, gearbox, transfer box, tank, transmission, exhaust.

Bumper original or enhanced.

6.9.2. Towing-eye

Car must have at least one towing-eye in front and one in back side of car, and towing-eyes must be demonstratively marked.

6.10. Electrical system

Original. Layout of all elements – original. ACC layout – no changes.

Lighting system: Lighting elements are not limited, but must correspond country laws, the competition is taking place. Present lighting elements must be in working order in moment of technical commission.

Main electrical equipment switch: Mass electricity switch can be installed.

6.11. Fueling circuit. Original.

Allowed enhancement.

6.12. Winch and other special equipment.

The car may be equipped with not more than one electric winch, which is to be placed forward of the front axle

As winch it is understood device consisting of (not more than one):

- Power drive (including electrical engine)
- Speed-reducer
- Reel
- Case or frame
- Brake system
- Rope

- If winch is present, then car must be equipped with: winch rope dampener, sling (minimal wide 50 mm). During car movement all additional units (winch rope, rope extends, slings, fixing hooks, rope loop, blocks, dampener) must be safely fixed.

6.13. Safety cage

Interior safety cage can be installed. Construction of main safety rollbar can be seen in attachment No. 2, or is factory produced. All parameters and ways of making main safety rollbar must correspond FIA rules or must be homologued.

6.14. Safety belts

Car must have at least three point car safety belts, factory produced, for all crew members.

6.15. Extinguisher

In car must be extinguisher, factory made, it must contain not less than 2 kg extinguish structure (Freon-12, bromethylen, carbonic acid, extinguishing powder), concentrated in one or two bottles.

Usage of foam extinguisher is forbidden.

Extinguisher must be easily reachable for pilot and co-pilot. It must be safely fixed, and must ensure quick and easy removal without using any tool. On bottle must be shown: net weight, extinguisher weight, and bottle weight.

7. Additional equipment

Additional equipment must be as given in attachment No.1.

Car has to be fitted with special first aid kit. All kit components must be with legal period of use and with no visible damage of wrapping. First aid kit must be in easy reachable place, and have waterproof package. In first aid kit must be:

2. Communications

To ensure safety, and temporary medical assistance, it is recommended to equip car with radio station MW-diapason (27 MHz). As intermedia can be used radio station using other diapason, radio, cellular and satellite phones.

Obligatory additional devices

1. First aid kit

Car has to be fitted with special first aid kit. All kit components must be with legal period of use and with no visible damage of wrapping. First aid kit must be in easy reachable place, and have waterproof package. In first aid kit must be:

2. Communications

To ensure safety, and temporary medical assistance, it is recommended to equip car with radio station MW-diapason (27 MHz). As intermedia can be used radio station using other diapason, radio, cellular and satellite phones.