

TECHNICAL REQUIREMENTS 2018

All-terrain vehicles - ATV-Open / ATV-Adventure Groups

A vehicle considered unsafe by Technical Commissioners cannot be admitted for the competition by the Sports Commission.

1. DEFINITION

1.1. Stock all-terrain 4x4 vehicles produced in a quantity of not less than 500 identical copies

1.2. Participants are responsible for proving that the ATV is stock as a whole and its separate parts and units. During the Technical Inspection parts and units of the car might be compared with stock parts physically or using the manufacturer's catalogue.

2. LIMITS OF ALLOWED CHANGES

2.1. Any changes not specified in the current requirements are forbidden.

2.2. Any worn out or damaged part can be replaced with an identical (completely interchangeable with the original) part only.

2.3. All ATVs must be registered by bodies of transport inspection and have an official permission for movement on public roads (have a license plate and a valid vehicle inspection certificate).

3. WHEELS AND TIRES

3.1. It is forbidden to modify the tire thread pattern by cutting it.

3.4. It is allowed to use pneumatic tires for ATVs of the following size:

– the outer tire diameter must not exceed 740 mm on a straight line passing through the center of the tire, but not vertical according to the ground (during the measurements one should not consider the natural indenting of the tire);

- the tire width must be not less than 8" and not more than 12,5".

3.5. Measurements are taken on all tires (spare, replaceable, etc.), used throughout the competition.

3.6. Measurements are taken on tires inflated to not less than 4,5 psi.

4. BATTERY

4.1. The battery brand and capacity is not limited. The number of batteries allowed by the manufacturer must be retained.

5. LIGHTING EQUIPMENT

5.1. The additional lighting equipment is not limited. Basic lighting equipment must be in working condition during pre-start Technical Inspection.

6. PROTECTION

6.1. It is allowed to use any type of ATV protection. The material it is made of is not limited.

6.2. It's allowed to use any safety lattice.

7. BUMPER

7.1. Bumper design and material are not limited.

8. WINCH AND ADDITIONAL EQUIPMENT

8.1. ATVs must be equipped with a winch with at least 900 kg traction effort.

8.2. It is allowed to install not more than one winch

8.3. During riding all the additional equipment (winch cables, extension cable, tree-protector, fixing hook, lifting buckles, blocks, rope dampener) must be reliably fixed.

9. ADDITIONAL GAS CANS

9.1. It is allowed to install additional factory-made fuel cans produced specially for ATVs and providing a safe fueling with a closed jet.

9.2. The number and capacity of cans is not limited.

9.3. Automobile and other types of cans are forbidden.

10. COOLING SYSTEM

10.1. Radiator replacement or transfer of the standard radiator to another location is allowed.

10.2. Installation of an additional radiator is allowed.

10.3. The following must be taken into consideration when standard radiator and cooling system pipelines are installed in another place: additional protectors must be installed to exclude spilling the cooling liquid on the driver in case of failure or damage.

11. AIR INTAKE SYSTEM

11.1. It is allowed to install snorkels.

11.2. The snorkel must be covered with a harm-free (plastic, rubber) cap. It must not be higher than a factory-made handlebar.

12. EXHAUST SYSTEM

12.1. It is forbidden to modify the exhaust system, mufflers must be original.

12.2. It is allowed to set up an additional outlet elbow on the muffler.

13. FUEL SYSTEM

13.1. It is forbidden to make any changes to the fuel system.

13.2. It is forbidden to attach additional fuel cans to the fuel system.

14. MANDATORY SAFETY EQUIPMENT

14.1. Each ATV must be equipped with additional equipment according to the current section.

14.2. When riding, all the additional equipment (winch cable, cable extension, tree protector, fixing hook, lifting buckles, blocks, cable quenchers, the first-aid kit, the fire extinguisher, additional equipment) must be fastened securely.

15. RIDER'S GEAR

15.1. Using helmet is a must. Rider's helmet must meet the following requirements: the crash helmets used at trophy-raid competitions must correspond to the following standards: GOST 22889-90 (Russia), ESE 22-05 (Europe), DOT or Snell (USA).

15.2. Using building helmets, bicycle helmets, tanker's or other soft helmets is not allowed.

15.3. Using special glasses or closed crash helmets of integral type is a must. Using the following protective motocross equipment is mandatory: chest, back, elbows and knees protectors.

15.4. Requirement for additional equipment: Each crew member must have a complete set of spare warm clothes in a waterproof package.

16. FIRST AID KIT

16.1. Each ATV must have a special first-aid kit of standard AI-N-2 "Rescuer" and higher. The first-aid kit must contain an anti-shock set. Every first aid kit component must not exceed the expiration date and must not have visible signs of package damage. The first aid kit must be easily accessible packed into a waterproof package.

17. FIRE EXTINGUISHER

17.1. Each ATV must be equipped with factory-made fire containing not less 1 kg of fire extinguishing substance, concentrated in one or two cylinders.

17.2. The use of foamy and aerosol fire extinguisher cylinders is not allowed.

17.3. Fire extinguisher cylinders must be located in easily reachable places. Fire extinguisher fastening must be reliable, but should be easy removable barehanded in case of fire. Fire extinguishers must have an easily readable label containing its weight, fully loaded weight in the equipped condition, weight of an empty cylinder and production date (the date of recharge).

17.4. The additional **MANDATORY** requirement for **ATVs with CVT**: Each competitor riding an ATV with a continuously variable transmission must be equipped with a spare CVT drive belt and tools to replace it.

18. INFORMATION

18.1. A sticker with rider's last name and a starting number must be present on an ATV and clearly visible. The sticker minimum size is 5x15 cm.

18.2. UTVs must be equipped with two stickers containing driver and co-driver last names and a starting number on both vehicle sides. The sticker minimum size is 10x15 cm.