

# **TECHNICAL REQUIREMENTS 2018**

## **ATV-Special Group**

The Board of Sports Commissioners may reject the crew driving vehicle with construction recognized as dangerous by Technical Officers during Technical Inspection.

### **1. DEFINITION**

- 1.1. All-terrain tracked vehicles with loaded weight of up to 1.5 tonnes.
- 1.2. Off-road vehicles with 4x4, 6x6, 8x8, wheel formula with a maximum loaded weight of 3.5 tons.
- 1.3. The maximum width of the vehicle is 2.5 m.

### **2. Wheels and tires, tracks**

- 2.1. Any wheel rims are allowed.
- 2.2. Any wheel tires are allowed.
- 2.3. Any tracks are allowed.

### **3. BATTERY**

- 3.1. Circuits breaker must be installed.
- 3.2. Batteries of any brand and capacity are allowed. The number of batteries is not limited.
- 3.3. The battery (batteries) must be securely fixed and completely closed with dielectric mats. When installed inside the cockpit, the battery (batteries) must be placed in boxes with ventilation brought out of the cockpit.

### **4. LIGHTING EQUIPMENT**

- 4.1. Lightning system is not limited. Standard lighting equipment must be in operation for at least the time of Technical Inspection.
- 4.2. Minimal equipment: passing lights, rear marking lights.

### **5. SAFETY CAGE. PROTECTION**

- 5.1. Safety cage is recommended.
- 5.2. In places where crew members' bodies or their helmets may contact with the safety cage, it is recommended to install protective covers made of resilient flame-resistant material.
- 5.3. Any safety cage construction is allowed. The material is not limited.
- 5.4. It is allowed to use any kind of a bumper guard.

### **6. BUMPER**

- 6.1. The construction and material of the bumper is not limited.
- 6.2. The construction of the bumper must be injury-safe.

### **7. WINCH AND ADDITIONAL EQUIPMENT**

- 7.1. Vehicles must be equipped with a winch with pulling force of at least 900 kg.
- 7.2. Not more than two winches on a vehicle are allowed.
- 7.3. During driving all the additional equipment (winch cable, extension cable, tree protector, fastening hook, shackles, blocks, rope dampener) must be securely fastened.

### **8. ADDITIONAL FUEL CANISTERS**

- 8.1. It is allowed to use additional factory-made fuel canisters manufactured specifically for ATV and ensuring safe refueling by a closed jet.

8.2. Canisters number and capacity is not limited.

## **9. COOLING SYSTEM**

9.1. It is allowed to replace a standard radiator and relocate the radiator from its regular place.

9.2. It is allowed to install an additional radiator.

9.3. The relocated radiator and cooling system must be protected to avoid their damage and exclude spillage of the cooling liquid on driver if damaged.

## **10. EXHAUSTING SYSTEM**

10.1. Parts of exhausting system must not be installed inside the cockpit. Parts of the exhausting system installed outside must be properly protected.

## **11. FUEL SYSTEM**

11.1. Fuel tank fillers must not go beyond the vehicle's dimensions and must have a reliable locking.

11.2. Fuel lines must not have connections located inside the cockpit.

## **12. REQUIRED SAFETY EQUIPMENT**

12.1. ATVs with the crew compartment must be equipped with at least three-point factory-made seatbelts for all crew members. It is recommended to use four-point seat belts.

12.2. Each ATV must be equipped with additional equipment according to this section.

12.3. During driving all the additional equipment (winch cable, extension cable, tree protector, fastening hook, shackles, blocks, rope dampener) must be securely fastened.

## **13. GEAR**

13.1. 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).

13.2. Construction helmets, bicycle helmets, tank helmets and all other types of soft helmets are strictly forbidden.

13.3. Safety glasses or full-face helmet are mandatory. Protective motorcross-like clothing including chest and spine protection, elbow and knee pads (for ATVs without a cockpit).

13.4. Required additional gear: Each crew member must have a spare set of warm clothes, packed in a waterproof packaging.

## **14. FIRST AID KIT**

Each ATV must be equipped with a special first aid kit of AI-N-2 "Lifeguard" and a higher standard. First-aid kit should contain an anti-shock set. All kit components must be shelf-life and should not have visible signs of package damage. First-aid kit should be stored in an easily accessible place, and have a waterproof packaging for repeated use (dry sack, sealed container etc.)

## **15. FIRE EXTINGUISHER**

15.1 Each ATV must be equipped with factory-made fire extinguishers containing not less than 1 kg of extinguishant (bromoethyl, carbon dioxide, extinguishing powder), concentrated in one or two cylinders.

15.2. Using the foam extinguishers is forbidden.

15.3. Fire extinguishers must be located in easily accessible locations. Fire extinguisher mount must be reliable, but provide a quick and easy removal without tools in case of fire. Each bottle must have a sticker with the following information: net weight, gross weight and weight of the empty bottle.

**16. 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.

**17. INFORMATION**

17.1. A sticker with driver's and co-driver's names must be placed on both sides of the vehicle. The starting numbers should also be placed on both sides of the vehicle and be not less than 10x15 cm.