



TECHNICAL REGULATIONS

ENDURANCE

16TH DECEMBER 2009

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These regulations are additional to the ACU Standing Regulations as laid out in the ACU Handbook.

1 ANNOUNCEMENT

The Hottrax Motorsport Endurance Championships are a series of 3 hour races with Le Mans starts. The machines are based on recent or current production motorcycles and available to the public through the normal commercial channels of the constructor/manufacturer. There are 2 different races for Junior TAG Endurance and National Endurance. Both are 3 hour races.

2 Eligibility

2.1 Junior TAG

Eligibility for the Junior Tag 1000 and Junior Tag 600 Championships will be restricted to Clubman ACU Licence holders. National licence holders are only permitted by special permission of the club secretary. The top 3 Junior teams / riders from 2009 Championships automatically qualify and will be entered into the National Endurance Championships. The top 3 teams / riders will automatically qualify for the 2011 National Championships. Special dispensation may be given on application to the club secretary.

3. Classes

Junior TAG 1000	-	2 bikes and 2 riders
Junior TAG 600	-	2 bikes and 2 riders
National 1000	-	2 bikes and 2 riders or 1 bike and up to 3 riders
National 600	-	2 bikes and 2 riders or 1 bike and up to 3 riders

Teams entering the National series can choose which style of Endurance they prefer, 2 bikes and riders with no live pit stops or 1 bike and 2/3 riders with live pit stops for fuelling etc. Maximum ride times are generally 30 minutes for the 2 bike format and 70 minutes for the 1 bike format.

4. Markings

During the race defective parts may be replaced with the exception of the frame and crankcase. Engine changes are not permitted.

5. Tyres

Junior TAG Endurance	-	slicks, treaded, full wets.
National Endurance	-	slicks, treaded, full wets.

Any modification or treatment (cutting, grooving) is forbidden.

6. Fuel

All motorcycle engines must function on normal unleaded or E85 Bio-ethanol pump fuels. No additions are allowed to the fuel.

7. Machine Number Plate Colours

National/Junior 1000	- White background 9010	Black numbers 9005
National/Junior 600	- White background 9010	Blue numbers 5010

8. Displacement capacities

MotoGrande 1000

4 cylinders Over 600cc up to 1000cc 4-stroke

3 cylinders Over 750cc up to 1000cc 4-stroke

2 cylinders Over 850cc up to 1300cc 4-stroke

MotoGrande 600

4 cylinders Over 595cc up to 600cc 4-stroke

3 cylinders Over 625cc up to 675cc 4-stroke

2 cylinders Over 625cc up to 750cc 4-stroke

9. Refuelling (National 1 bike format only)

Hottrax recommend that the original fuel tank cap is replaced by maximum two openings to accommodate a 'quick-fill' type (i.e. aviation type) fuel valve providing a closed system. Quick fill valves with concentric openings are permitted.

The maximum diameter of a fuel valve opening is 76 mm (3 inches).

Any excess fuel must be contained or return via an overflow line back to the fuel tower or handheld fuel container.

The refuelling system can be portable or fixed to a gantry.

All refueling systems must be presented to the Technical Officer for approval.

All personnel who are involved in the refuelling operations, including the person responsible for the fire extinguisher, must wear an overall made of fire retardant materials, hands must be protected with gloves made of fire retardant materials; safety goggles/mask and balaclava of fire-retardant quality or a helmet for eye protection. Other refuelling systems such as ATL or Acerbis are allowed providing they are leak proof. During the refuelling operations, the rider cannot stay on his machine and all other operations must cease.

10 Fuel Tank

All fuel tanks must be filled with fire retardant material, or be fitted with a fuel cell bladder.

The Chief Technical Officer has the right to refuse a bike if he is of the opinion that the fuel tank fixation is not safe.

The original tank may be modified to achieve the maximum capacity of 24 litres, provided the original profile is as homologated.

A cross over line between each side of the tank is allowed (maximum inside diameter 10 mm).

Fuel tanks with tank breather pipes must be fitted with non-return valves which discharge into a catch tank with a minimum volume of 250cc made of a suitable material.

The fuel tank filler cap must be of a 'quick-fill' type and when closed, must be leak proof. Additionally, they must be secured to prevent accidental opening at any time.

The same size fuel tank used in practice must be used during the entire event.

11 Wheel changes (National 1 bike format only)

Endurance style quick release wheel systems may be used.

Modifications to make rear brake caliper captive are allowed.

Modified wheel spacers are allowed.