

# 2012 Grass Kart Challenge

## Safety Action Plan & Rules

### Warning

**Grass Kart/Mini Bike Racing can be dangerous. Despite the best efforts of organisers to take reasonable precautions, accidents can happen and in respect to these you are present at your own risk. Obey all signs and follow the instructions of officials.**

*The following notes, rules and safety requirements can provide part of each school's Outdoor Education Safety Plan. Please note changes marked in **YELLOW***

## 1. GENERAL

### Convenor – Glenys McKenzie (Southern Group Training Trust)

The Convenor shall be responsible for the organisation of the meeting. The Convenor will appoint the Scrutineers, Event Managers, Marshals and the Disputes Committee.

**Scrutineers – Mike Grumball, Warren Ruwhiu, Paul Burrows, Noel Clayton, Trevor Gillan, Tony Greenwood** Scrutineers are entrusted with all checking relating to the mechanical components of the karts/bikes. These checks will be carried out before the event and at any other time where the safety of a kart/bike is in question e.g. after an accident.

### Event Managers

Each event will have a designated manager. Their principal duties shall be:

- Ensure each event is run in a safe manner
- Allocate the duties of each Marshall
- To record the result of each event
- To report the result of each event to Mike Grumball

The event managers are:

- Pit Area Manager: Warren Ruwhiu, SIT
- Slalom Course: Noel Clayton, SGTT
- Sprint Course: Ralph Youngman, SGTT
- Relay Course: Paul Burrows: James Hargest College

### Marshals

Marshals will carry out the duties assigned to them by the Event Manager.

### Disputes

If anything is in dispute, only the team manager can raise the issue with the Disputes Committee. The Disputes Committee decision is final. The dispute committee comprises, who will be wearing yellow high-viz vests:

- Mike Grumball, Warren Ruwhiu, Paul Burrows

### Venue

- The pit area is out-of-bounds to spectators.
- Spectators are to view the Challenge from the allocated area only.
- Areas with controlled access will be defined by barriers e.g. cones, stanchions and tape.

## **Pit Area**

Each team may set up a tent or gazebo (surface is grass) in their allocated Pit Area. Karts/bikes are to be *pushed*, not driven, at all times within the pit area.

All competitors and crew must take into account the potential dangers in the pit area. Extreme care must be taken at all times to protect eyes, hands, hair, etc through the use of appropriate equipment and actions.

## **Scrutineering**

Scrutineering will take place on Friday afternoon for both karts/bikes and helmets, as soon as the first team has arrived and set up. Teams are to leave a contact cell phone number in case scrutineering identifies significant items requiring rectification that are anticipated to require more time to remedy than has been allocated in the overall programme.

Teams will have the opportunity to rectify minor deficiencies on Saturday morning and need to be presented for final scrutineering prior to the start of competition.

## **Fuel**

91 Octane pump petrol only is to be used and no more than 5 litres per team is to be stored in the pit area in approved sealed fuel containers. The mixing of fuels is prohibited. Refuelling may only take place in the pits. Karts/bikes must not be running when refuelling. Refuelling a kart/bike in any other area is strictly prohibited.

**Smoking** - The Grass Kart Challenge is a smoke free event.

## **Kill Switch**

Engine kill switches must be accessible and clearly seen, must be functional and work. On karts they must be mounted on steering column or on steering wheel if not readily accessible on engine from driver's position.

## **Fire Extinguishers**

Each team must supply a suitable fire extinguisher – Class B - for their pit area. In addition fire extinguishers will be placed at various points on the course; these extinguishers are only to be used by suitably trained personnel.

## **Safety Clothing**

Whilst competing in each event the following must be worn:

- Suitable protective footwear and eye protection (racing goggles, safety glasses, or full face helmet lenses, NOT sunglasses) are to be worn.
- Race suit or overalls are to be full length and long sleeved.
- Gloves are recommended.
- No clothing to be worn over top of overalls, no loose clothing, no bare skin.
- Neck braces are recommended.

Any person within the event confines, including the pit area, must wear footwear of enclosed type giving full foot protection.

## **Long Hair**

At all times when operating a kart, long hair must be retained within protective apparel

- Drivers may use a hair net, hood, balaclava or other suitable device to retain hair.
- Extremely long hair must be retained as above and not tucked under the helmet.

# Events

The following rules must be observed during the specific events. The convenor has the authority to modify or amend any rule at any time as required to maintain the safe conduct of the event.

All events will entail karts/pocket bikes competing against the clock, with up to approximately four karts/bikes on a track at a time.

## **Behaviour**

A good standard of behaviour is required from all participants. Failure to comply may result in ejection from the event. This is a smoke free event and normal school rules apply.

## **Driving Standards**

A kart/pocket bike must be driven at all times within the capabilities and expertise of the driver. Karts are not to approach within one kart length or width of another kart during competition events. Two hands must remain on the steering wheel at all times whilst driving. Failure to comply may result in penalty or disqualification.

## **Flags**

**Green** – signals start of the event.

**Red** – stop immediately. Do not start/move until directed to do so by a Marshall.

**Yellow** – caution. Slow down and be prepared to stop. Raise one arm in the air. Follow the instructions of any Marshall.

**Black** – A penalty has been incurred.

**White – Last Lap**

**Chequered** – End of event.

## **Crashes/breakdowns**

If you have an accident or breakdown during an event, remain in the kart with both arms raised. Pocket bikes to be removed to side line. Wait until you receive instructions from a Marshall. No team members are allowed on track until race is formally suspended. If any parts are lost during racing the Marshall must be immediately notified.

Any kart/bike involved in an accident must be scrutineered before re-competing.

## **Sprint**

The Sprint notionally involves competitors starting in a defined starting 'box', undertaking a 100m sprint, executing a 180 degree turn and then returning to a stopped position wholly within the finish 'box'. A series of cones will be placed to identify the course. Failure to remain within the area marked by the cones or hitting the cones will result in a penalty being awarded. An overshoot area will be provided at both ends of the course.

### **Starting**

When your kart/bike is in position the starter will lower the green flag. Timing will then commence.

### **Stopping**

Karts/bikes must come to a complete stop within their designated Stop Box. Engine shut down and both hands raised before timing stops. Karts/bikes failing to stop within the box will have that run unrecorded.

## **Slalom**

The slalom is broadly similar to the Sprint with the exception that the slalom sections contain a series of cones placed at varying intervals that competitors must weave through. A series of cones will be placed to identify the course. Failure to remain within the area marked by the cones or hitting the cones will result in a penalty being awarded. An overshoot area will be provided at both ends of the course.

### **Starting**

When your kart/bike is in position the starter will lower the green flag.

### **Stopping**

Kart/bikes must come to a complete stop within their designated Stop Box. Engine shut down and both hands raised before timing stops. Karts/bikes failing to stop within the box will have that run unrecorded.

## **Relay**

The kart relay involves approximately four karts per heat.

Each kart must complete 8 laps of the circuit, with a driver change after each 2 laps. A pit grid will be set up for driver changes to occur. Karts must be stopped and engines off before change over can commence. Note the relay finalists are selected on fastest run times, not position achieved in the heats.

## **Race – Bikes**

The bike race, over two laps, involves approximately four bikes per heat with the fastest bike winning.