

Gymkhana Event 2021

An advisory group designed this event to be more like a Gymkhana. It addressed the 'Design Considerations' listed below in responding to discussions with drivers over the past year. The challenges incorporated are designed to test good driving skills, vehicle speed and agility. Combining the Street Circuit and old Gymkhana was seen as a way of creating drive time, less waiting around and a more interesting event overall.

We hope you enjoy it!

Design Considerations:

- ◆ Course to be well defined to enable it to be replicated accurately at each Regional Final.
- ◆ Must fit on width of a Kartsport track (8m).
- ◆ Must test vehicle speed, maneuverability.
- ◆ Must have fun tests of driver skills
- ◆ To provide more drive time (less queuing)
- ◆ To run for approx the same time as the Economy Run (scheduled to run in parallel)



Important measurements:

Slalom cones: The road cones spacing has been increased to 4m apart

Beaker of water: This is of type shown (150mm high and 120mm in diameter). We will place a strip of Velcro across the bottom (looped side) and a wire 'billy type' handle. Any other carry facility is to be the responsibility of the team

Planks These will be both be 10mm thick and 2m long.
Narrow plank width = 65mm. Wide plank width = 115mm.

The Batons are wooden, 300mm long, 25mm diameter and will have a 100mm long loop of cord through one end.



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Vehicles will start and finish behind the start / finish line facing the same way and must be ready with a suitable way of carrying a 1L beaker of water that will be ready for pick up at the 'water station'. To assist the pick up, the beaker will have Velcro (looped side) attached to the bottom, a handle like a billy, or could be placed in a plastic shopping bag.

Slalom: The slalom is to be driven twice as shown. Displacing cones will cost 5s for each cone moved outside of the chalked footprint. After each run cones will be carefully repositioned.

Delivery run: Each bucket will have a baton in it ready for delivery. After the two passes of the slalom, drivers will transfer each baton from one bucket to the other.

Accurate driving: After the delivery run the driver is to pass through the garage and select one of the wooden planks to drive along. A bonus time deduction of 10s for the wide board or 20s for the narrow one is offered. No bonus points will be awarded if the tyre comes off the chosen board or the boards are not used.

Smooth driving: After the boards a full beaker of water will be ready for pick up as the vehicle passes the water station for the last circuit. Any water spilt between this point and the finish will be measured **after it reaches the 1L mark** on the scale on the side of the beaker. A time penalty of 5s per 50mL will be imposed for water lost beyond this mark.

Scoring

Factor	Number	Total
Time (s)		
Narrow strip bonus	-20s	
Wide strip bonus	-10s	
Plus Water Loss (5s per 50mL)	+5 x ____	
Cone knocks (5s each)	+5 x ____	
Stop behind line	+5	
TOTAL		

The winning team will be the one that completes the course with the fastest time + penalties - bonus!

Course: Start → Slalom out and back → Baton exchange → Skills: boards and water carry → Finish

