2013 UMSS 600cc Micro Sprint Rules

1. **Terms and conditions**
Intent of this class is to provide entry level open wheel car for drivers 12 yrs. and up with the use of a production stock motorcycle engine from the bike to the car.
Internal Stock parts – must use original manufacturer parts for the particular year and make engine except where noted. No mixing of parts from different year and make engines, even if made by the same manufacturer. Non-stock external bolt on parts may be used (example: billet oil pan, starter, water pump cover, oil cooler, pipes, etc.) .

2. **Overall Engine**
Must be a Production Motorcycle Engine, 4 cylinder, 4 stroke. Current year engines allowed. No Titanium anywhere in or on the engine, unless it comes stock from manufacturer of engine on the production bike. Must have engine, clutch, and transmission all in one unit. Must be Chain Drive.

3. **Bore and stroke**
600cc Maximum. No 636cc, no over bore.

4. **Head and cams**
NO PORTING, Blending the Bowls, or Blending the Valve Seats (exhaust or intake). Valve jobs are acceptable.
Cams do not need to be stock, but the lift must be no greater than stock. (duration is open)
Cam timing may be adjustable.
May use any valves, but they may be no larger than stock valves.
Head may be resurfaced.
Any head gasket may be used.

5. **Pistons**
Any Piston may be used, but must be within cc limit specified under bore and stroke.

6. **Bottom End**
No machining to remove weight from the crank (no after-market cranks and no lightweight cranks).
Stock connecting rods must be used (no after-market rods).
Aftermarket rod bolts may be used.

7. **Clutch/Transmission**
The clutch does not need to remain stock, but must remain operable.
Transmission gears must be stock, no close-ratio gears or nonstandard gear ratios.
All gears must remain in transmission, no removing any gears.

8. **Ignition**
Stock appearing ignition must be used (no after-market ignition systems, (factory race ignitions are ok) may use different year ignitions from same manufacturer. No aftermarket coils.

9. **Induction system**
No mechanically forced induction (turbo charging, supercharging).
Any carburetors may be used on any engine, regardless of year of engine.
If the engine did not come from the factory with fuel injection, fuel injection may not be used. If the engine came with factory fuel injection, the fuel injection may be used and must be converted for use with alcohol. No gasoline permitted. The stock fuel injection throttle bodies must remain. Any number of fuel injectors may be used regardless of stock number of injectors. Power commanders are permitted.

10. **Exhaust**
Any exhaust may be used, as long as there is a muffler included with the system that will keep noise levels within individual track limits.

11. **Charging system**
The stock original factory charging system may not be removed, and must remain in complete working order. No factory racing charging systems.

12. **Self Starting**
The engine must self-start at the beginning of the event. If it does not self-start, the car may be pushed off and must start at the rear of the event as the penalty.

13. **Fuel**
Alcohol only. No exotic fuel additives. Non-flammable top lube only, no fuel enhancer top lube. Fuel tanks must contain a bladder in 2011. Or an approved fuel cell may be used. Rci type.

14. **Chassis**
The wheelbase must be 60 inches plus or minus 5 inches. Minimum weight at all times is 775 pounds, car and driver. If weight is added it mu be firmly bolted in place. Weight may be adjusted at any time with a 1 week notice. Maximum tread width measured outside to outside of rear tires is 65 inches. All cars must be fitted with a suitable chain guard. Car leaking fuel, oil or water on track will be flagged off track immediately. All cars must be equipped with front and rear bumpers, left and right nerf bars securely fastened to the chassis. Minimum size bolt is 10-32 or 10-24. Wing, shock, weight or panhard/swaybar adjusters will be allowed in cockpit or within reach of the driver. All cars must appear similar in design. Maximum top wing size is 14 square feet and a minimum of 10square feet. All cars must have working brake system on rear axel. No exotic chassis or independent front suspension. Side panels cannot pass rearward past the rear diagonal rollcage tube/brace or an imaginary line between the back edge of the rear torsion tube and the back edge of the rear rollcage member. The rear roll cage member is defined as the top tube behind the driver where a frame connects.

15. **Safety gear**
Fire resistant driver suit, sfi-5 double layer suit recommended or single layer with fire resistant underwear minimum. Snell 2005 or newer helmet required, arm restraints, fire resistant racing driving shoes and gloves required. Head and neck restraint is recommended. All drivers are required to have a receiver. Racing seats are mandatory, high back style with a minimum of a five point harness.

16. **Tires**
Hoosier tires must be in place on all four corners of car during event. Spec right rear of a minimum of d20 with a factory d20 durometer of 42 plus or minus 2 before and 15 minutes after the race.

17. **Age**
Driver minimum age is 12 yrs.

18. **Traction Control**
No traction control devices of any kind will be allowed.