

Racer's Handbook

First Annual Motor Scooter World Land Speed Trials

Mother Road: Historic Route 66, Devore, CA

Sunday, November 21st 2010



VOLUME I, 5th EDITION, NOVEMBER 4th 2010

Any and all changes, modifications, updates and/or revisions of these Rules and Regulations will be posted on our website. The Volume Number, Edition and Release Date will be posted on the front cover.

MOTOR-SCOOTER INTERNATIONAL LAND-SPEED FEDERATION
525 "B" STREET, SUITE 1500
SAN DIEGO, CA 92101
(619) 852-6985

www.motorscooterlandspeedfederation.org

Copyright © 2010. All Rights Reserved.



Dear Racer,

We thank you for your enthusiasm and competitive spirit supporting this historic motor-scooter only event, and wish you a safe and pleasant day of racing. This handbook is provided to insure that all of us are singing from the same sheet of music. Please take a few minutes to read it carefully.

DISCLAIMER

The Rules and/or Regulations set forth herein are designed to provide for the orderly conduct of this racing event, and to establish minimum acceptable requirements for racers, pit crew, entourage and spectators to adhere to. These Rules shall govern the condition and conduct of this event and, by participating in this event all participants are deemed to have complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF, OR COMPLIANCE WITH, THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of this event and are in no way a guarantee against injury or death to a participant, spectator or

official. MOTOR-SCOOTER RACING IS DANGEROUS. EVERY COMPETITOR ASSUMES BY HIS/HER PARTICIPATION, RESPONSIBILITY FOR ALL RISKS OF COMPETITION, INCLUDING INJURY OR DEATH. EVERY COMPETITOR ASSUMES BY HIS/HER PARTICIPATION, THE RESPONSIBILITY AND OBLIGATION TO ASSESS THE SAFETY ASPECTS OF THE VENUE AND INDIVIDUAL CONDITIONS, AND ASSUMES ALL RISKS OF COMPETITION, INCLUDING INJURY OR DEATH. MSILSF reserves the right to re-classify or exclude racers. Interpretation of all rules and/or regulations, and final decisions regarding protests, are vested in the sole discretion of the MSILSF Race Director.

I. THE RULES

These Rules will be strictly enforced. Racers are responsible for familiarizing themselves with these Rules, and communicating relevant portions thereof to their Pit Crew and entourage. Any breach of these Rules may be grounds for disqualification and exclusion from the event.

Motor scooters are defined as a two-wheel motorized vehicle with step-through frame and a flat floorboard for the rider's feet. The scooter engine and drive system are attached to the rear axle. In contrast to a frame mounted motorcycle engine, this front-hinged arrangement allows the engine to swing vertically in conjunction with the motion of the rear wheel. Older Vespas and Lambrettas, most vintage scooters, and some newer retro models have axle mounted engines with a manual transmission with the gear shift and clutch controls built into the left handlebar. Current generation scooters use a Continuously Variable Transmission (CVT). Scooters generally feature bodywork, including a front leg shield and body that conceals all or most of the mechanicals. There is often some integral storage space, either under the seat, built into the front leg shield, or both. Most modern motor scooters have smaller wheels than motorcycles, between eight (8) and fifteen (15) inches in diameter. Most scooters have smaller engines than motorcycles (between 50 Cubic-centimeter cc and 500cc) with a single cylinder, though larger models have twin-cylinder engines to 650cc.

1.A. ENGINE DISPLACEMENT

A single 2-Stroke or 4-Stroke engine is allowed. 4-Stroke engines may be single or double overhead cam. NOX is prohibited. Displacement classes for Land-Speed Records are limited to the following:

50cc Displacement Class
70cc Displacement Class
100cc Displacement Class
125cc Displacement Class
150cc Displacement Class
150cc Hybrid Class
175cc Displacement Class
200cc Displacement Class
250cc Displacement Class
300cc Displacement Class
400cc Displacement Class
500cc Displacement Class
650cc Displacement Class
Sidecar Class to 250cc Displacement
Sidecar Class 251cc to 650cc Displacement
Sidecar Class 50cc Turbo

1.B. ENGINES BY CLASSIFICATION

2-Stroke Aspirated
2-Stroke Turbo
4-Stroke Aspirated
4-Stroke Turbo

1.C. FRONT / REAR WHEEL

Front and rear wheel size is restricted to fourteen inch (14”) maximum diameter.

1.D. RIDER LOCATION

The rider must control the scooter from the seating position on the tire-tread centerline between the front and rear wheels. Standard scooter handlebars are required. The rider must be able to exit the scooter without restrictions or assistance.

1.E. STEERING

A steering-damper may be fitted. A steering-damper should be fitted to any scooter capable of exceeding speeds of 125 mph. Steering by front wheel only.

1.F. BODYWORK

Traditional non-streamlined motor-scooter body-work, front leg shield and floorboards may be removed. Body-work that conceals all or most of the mechanicals may be removed or modified. Fairings, dustbin fairings and/or streamlining are prohibited. The rider's entire body (hands included), in the racing position, must be visible from either side of the scooter.

1.G. HYBRIDS (NON STEP-THROUGH SCOOTERS)

Hybrid scooters are defined as two-wheel motorized vehicles that resemble miniature motorcycles fitted with solid aluminum or steel motor-scooter type wheels not exceeding 14". Hybrids have a frame-mounted motorcycle engine featuring a manual transmission with a foot-operated gear shift and clutch lever mounted on the left handlebar. Unless otherwise stated in these Rules, Hybrid engine displacement is limited to 150cc. Engines shall be normally aspirated. Insofar as the foregoing Rules (1.A through 1.F, inclusive) are not inconsistent with this definition, they apply. Hybrid scooters shall compete separately from traditional step-through motor-scooters in a class designated as 150cc Hybrid.

1.G.(a) HYBRIDS (STEP-THROUGH SCOOTERS)

Hybrid scooters are defined as two-wheel motorized vehicles fitted with solid aluminum or steel motor-scooter type wheels not exceeding 14". Hybrids have a frame-mounted [motorcycle](#) engine, with chain or belt final drive, featuring a manual transmission with a foot-operated gear shift and clutch lever mounted on the left handlebar. Unless otherwise stated, Hybrid engine displacement for step-through scooters is limited to 250cc. Engines shall be normally aspirated. Insofar as the foregoing Rules (1.A through 1.F, inclusive) are not inconsistent with this definition, they apply. Hybrid scooters shall compete separately from traditional step-through motor-scooters in a class designated as 250cc Hybrid.

1.H. SYM HD200 EXEMPTION

Notwithstanding fitment of OEM 16" wheels, the SYM model HD200 fits the criteria of a motor-scooter in all other respects and will compete in-class per actual displacement.

1.I. ENTRANT'S RESPONSIBILITY

Entrants are responsible for their personal conduct and actions of their entourage (pit crew and spectators) on El Mirage Dry Lake, including full compliance with the Bureau of Land Management's Regulations:

<http://www.motorscooterlandspeedfederation.org/regulations.html>

1.J. PERSONAL CONDUCT

Any entrant or pit crew member exhibiting signs of intoxication, or engaging in physical violence, will be disqualified from further participation in the event.

1.K. SPECTATOR SAFETY

Spectators (including pit crew) shall remain at least one hundred feet (100 ft.) away from the race course. This Rule does not apply to the areas immediately behind the starting line or beyond the finish line. Entrants shall apprise their pit crews and entourage of this safety requirement, and are responsible for the conduct of said persons in this regard. Any person breaching the 100 ft. safety zone will result in immediate closure of the course by the Course Marshal. Any run in progress during such a course closure may be terminated in the discretion of the Course Marshal.

Spectators are not, under any circumstances, permitted in the pits. All "Pit Crew" must wear issued stick-on name badges that will bear the MSILSF logo or MSILSF Authentication Stamp.

1.L. FIRE SAFETY

It is strongly recommended that each entrant have a fully charged currently inspected Class ABC Fire Extinguisher in his or her pit area, and designate a pit crew person to handle said extinguisher in the event of a fire.

1.M. FUEL CONTAINMENT AND TRANSFER

You must bring adequate fuel with you for your scooter, and it must be properly contained in an approved fuel can or cans, such as VP Racing square "jerry-jugs". The maximum capacity of a fuel can or "jerry-jug" may not exceed five (5) US gallons. Cans must be equipped with filler spouts, such as VP Racing filler-spouts. No "quick-fill" or pressurized can or cannister apparatus is allowed for fueling or re-fueling. **All fueling, re-fueling and adding of lubricants, such**

as oil and gas and oil additives, must be done in the designated fueling area. No "quick-fill" or pressurized apparatus will be allowed for fueling or re-fueling. Slow careful fueling or re-fueling from a hand-held gas can using the spout or a funnel is all that is allowed. Any fuel or lubricant spill must be quickly contained using the HAZMAT containment assets pre-positioned in the designated fueling area, and thereafter reported to the Course Marshal. **NO SMOKING ALLOWED WITHIN FIFTY FEET (50-feet) OF THE DESIGNATED FUELING AREA!**

1.N. APPAREL

Riders are encouraged, but not required, to wear racing apparel including, but not limited to, full coverage Snell-approved helmet, full leathers with body armor, leather high-top boots, and padded gloves. **Riders are required to wear at least:** (a) jeans or Levis of sufficient leg-length to cover the tops of their shoes or boots; (b) high-top athletic shoes or boots; (c) a pull-over long-sleeve shirt, such as a MotoCross (MX) Jersey or sweatshirt; (d) DOT approved helmet; (e) racing goggles if wearing a shorty, half-pot, MX or open-face helmet, and (f) full-finger leather gloves.

1.O. MINIMUM AGE

Riders must be at least eighteen (18) years of age to compete. Proof of age required by valid driver's license or Passport.

1.P. VALVE STEMS

Metal valve stems are highly recommended, but not required. All rubber valve stems, whether straight or 90-degree, must be in excellent condition. **Weather-cracked valve-stems will not be permitted on the race course!** All valve stems must be securely fitted with metal or plastic valve stem caps. The decision of the Course Marshal/Race Director as regards valve-stems is final.

1.Q. TIRES

High performance scooter tires such as Michelin, Pirelli, Dunlop or Continental are highly recommended, but not required. OEM or comparable tires are permitted. **Weather-cracked or worn tires will not be permitted on the race course!** The decision of the Course Marshal/Race Director as regards tires is final.

1.R. TECHNICAL INSPECTION

Before being permitted to race all racers shall submit themselves and their scooter(s) to Technical Inspection in the Tech Inspection Area. Please do not bring more than one (1) Pit Crewperson to Tech. Racers are required to bring their racing apparel, including helmet, goggles, boots and gloves. Scooters will be inspected for compliance with RULES “N”, “P” and “Q”. Racers and scooters passing Tech Inspection will receive a Tech Sticker that will be placed on the scooter by a Tech Inspector. The decision of the Chief Technical Inspector as regards compliance with the aforementioned Rules is final.

MSLSF reserves the right to change or modify these rules.

II. RACE DAY

1. Mandatory Racer’s Meeting.

All racers shall attend this meeting at 07:30 hours in the Pits. Please do not bring Pit Crew, family members or spectators to the Racer’s Meeting. It is for Racers only. At this meeting you will be apprised of any peculiarities concerning the race course, and the procedure you are expected to follow while staging, racing, finishing, returning to the pits and fueling/re-fueling.

2. Tech Inspection.

Before being permitted to race all racers shall submit themselves and their scooter(s) to Technical Inspection in the Tech Inspection Area. Please do not bring more than one (1) Pit Crewperson to Tech. Racers are required to bring their racing apparel, including helmet, goggles, boots and gloves. Scooters will be inspected for compliance with RULES “1.N”, “1.P” and “1.Q”. Racers and scooters passing Tech Inspection will receive a Tech Sticker that will be placed on the scooter by a Tech Inspector. The decision of the Chief Technical Inspector as regards compliance with the aforementioned Rules is final.

3. First Run of the Day.

The first run of the day on the race course shall be made by the Scootermeister, who shall communicate his finding to the Starter, Radarman, Finish Line and Speed Ticket person as regards the course’s suitability for racing. This run will be made at approximately 08:00 hours.

4. Initial Starting Positions.

Racers' starting positions for their initial run is determined by their entry number. The Starter shall insure that all Racers are staged well behind the Starting Line, lined up in order of their entry number. The event will start immediately after the Scootermeister confirms the suitability of the race course. Racers arriving at the staging area late will, nevertheless, be permitted to start in accordance with their entry number.

5. Subsequent Starting Positions.

After completing a first run Racers may re-enter the staging area for a subsequent run. No second or subsequent run will be permitted until all of the Racers ready to do so have made their first run.

6. The Race Course.

The race course is the southbound lane(s) of Historic Route 66.

7. Speed Recording.

The Chief Radarman shall record each Racer's speed, thereafter communicating said speed to the Speed Ticket person positioned beyond the finish line. After passing the Radarman the Racer must immediately begin decreasing speed by rolling off the throttle, down-shifting, braking or a combination thereof. Racer's shall come to a complete stop at the Finish Line before proceeding to the Speed Ticket Stand to retrieve their Official Speed Ticket. **Racers who do not stop to retrieve their Speed Ticket at the end of their run may NOT return to the Speed Ticket Stand, but must instead wait until all competition has ended. NO EXCEPTIONS!**

8. Mechanical or Rider Trouble on the Race Course.

Once having started a speed run, any Racer experiencing mechanical or physical problems precluding completion of the run to the Finish Line shall stay to the right side of the race course as close to the cones as possible, coming to a complete stop as quickly as possible. After coming to a complete stop the Racer shall, if possible, raise his/her left arm up as high as possible for at least one (1) minute as a signal to course personnel he/she is experiencing mechanical or rider trouble. The Racer shall then, if physically able, push his/her scooter as far as possible off the race course in the direction of the cones in a perpendicular (90°) direction directly away

from the race course. **Once off the race course the Racer shall not, under any circumstances, return to the race course.** The Racer shall await the assistance of pit crew and/or course personnel to assist him/her moving the scooter out of the safety zone. **The next Racer at the Starting Line shall not, under any circumstances, be permitted to commence his/her run unless and until the Racer who has prematurely terminated his/her run is clear of the safety zone.**

8(a) Yellow Safety Flag.

Display of a **Yellow Flag** by the Chief Radarman, Course Marshal, or any other course official means **EXTREME CAUTION!** A Racer on the course receiving the **Yellow Flag** who is not experiencing mechanical or rider trouble shall continue at a reduced safe speed to the Finish Line. A Racer on the course receiving the **Yellow Flag** who is experiencing mechanical or rider trouble shall comply with Paragraph 8 above.

8(b) Red Safety Flag.

Display of a **Red Flag** by the Chief Radarman, Course Marshal, or any other

Course official means **DANGER!** Any Racer on the course receiving the **Red Flag** regardless of whether or not he/she is or is not experiencing mechanical or rider trouble shall comply with Paragraph 8 above.

9. Returning to the Pits or Staging Area.

After retrieving their Speed Ticket Racers shall return to the Pits or Staging area using the northbound lane(s) of Historic Route 66. Under no circumstances shall any racer return by any other route. **Speed on the return path shall NOT exceed 5 mph.**

10. Fueling and Re-Fueling.

All fueling, re-fueling and adding or changing of fluids, including changing or adding lubricants and coolant shall be done in the designated fueling area. Any Racer who violates this directive, vis-à-vis **RULE 1M. FUEL CONTAINMENT AND TRANSFER,** shall be subject to immediate disqualification, and possible legal action by BLM law enforcement personnel.

11. Lunch Breaks and Head Calls

The race course is subject to temporary closure/delays while personnel attend to personal needs. The course will be closed from 12:00 to 13:00 hours. No one is permitted on the race course when it is closed.

12. End of the Meet.

Racing will conclude approximately one hour before sunset. At the conclusion of racing all Racers, their Pit Crew and entourage are requested to muster in the pits for the trophy presentation.

13. Clean-Up.

MSILSF personnel shall remain at the venue until all trash and debris, if any, is picked up off the ground and deposited in the dumpsters. We will be most grateful for volunteers willing to remain behind to insure that all trash and debris make its way to the dumpsters.

14. Electronic Equipment.

Course personnel shall return all electronic equipment such as 2-way radios and radar guns to the Chief Radarman.