



**October 28 & 29, 2017  
PDX & TIME TRIAL**

## **Thunderhill Raceway Park**

### **SUPPLEMENTARY REGULATIONS**

**Hosted by San Francisco Region, SCCA  
Operated by Reno Region, SCCA**

*“Held under the SCCA Time Trial Rules”*

All participants are expected to adhere to these Supplemental Regulations and all appropriate sections of the SCCA Time Trials Rules as amended by these regulations. 2017 SCCA Time Trials Rules are divided into three books as follows: PDX & Club Trials Driver Information, Track Trials & Hill Climb Driver Information and Time Trials Organizational Information. These may be accessed using the link provided on [www.renoscca.org](http://www.renoscca.org).

Any item or situation that is not specifically addressed by the SCCA Time Trials Rules or these Supplementary Regulations will be dealt with by the Time Trials Chief Steward, if present, and/or the Time Trials Event Chair or designee. The Division Time Trials Administrator will address the solution at a later date and may modify the decision rendered at the event.

**FORMAT:** *Event Officials reserve the right to cancel the event, revise the format, change course configuration or schedule at any time.*

**Performance Driving Experience (PDX)** is intended for drivers that wish to learn to drive at speed on a closed course and participate in performance driving on-track. Instruction is required the novice (Green) group and available on request in intermediate (Blue) and advanced (Red) groups. Timing is not allowed. PDX will be run on any approved course configuration at the discretion of event organizers.

The Saturday PDX will consist of three groups (Green, Blue & Red) with a minimum of four 20-minute sessions for each group on the 2 Mile West Course. Passing will be allowed in designated passing zones with a point-by as designated by the Chief Driving Instructor.

The Sunday PDX will consist of one group with two 25-minute sessions on the 3 Mile East Course. Passing will be allowed in designated passing zones with a point-by as designated by the Chief Driving Instructor. All PDX Blue and Red drivers are eligible. PDX Green drivers that have been approved to drive solo by an SCCA Instructor may be eligible at the discretion of the Chief Driving Instructor.

**Time Trials (TT)** is for drivers with previous track experience sufficient to allow solo driving in timed competition. Passing is allowed anywhere on the course but a point-by is required. The overtaking driver must ensure that the driver of the car being acknowledges the pass before attempting a pass. Drivers that are overly aggressive or

attempt unsafe passes will be black flagged and may be disqualified from the remainder of the session or the remainder of the event, at the discretion of the Chief Steward or designated alternate. Time Trials is a race for the best single lap time. Racing for position will not be tolerated! Timing transponders are required.

The Saturday Time Trial event will consist, at a minimum, of one 20-minute practice/qualifying and three 20 minute timed races for the TT 1 and TT 2 groups on the 2 mile West Course. Times from the Practice/Qualifying session will be used to 'set' the grid and all cars within a group will start each race in qualifying order based upon fastest time in previous sessions.

The Sunday Time Trial event will consist of one group with two 20-minute sessions. All Time Trials drivers are eligible. Starting grid will be based upon relative lap times from Saturday and the Chief Steward will 'slot' in Sunday only drivers based on anticipated lap times. Drivers may request to start at the back of the group. Time Trials is a race for best time not car position.

### **ENTRY FEES**

	<b><u>Thunderhill</u></b>
PDX / Time Trials (Saturday Only) Regular Registration	\$225
PDX / Time Trial (Sat West- Sun 1/2 day East)	\$300
PDX / Time Trial (Sun ½ Day East Course Only (2-20 min sessions)	\$100
Dual Entry, Sat (Same car, Same Driver, Two groups) PDX, TT Add	\$ 75
Split Entry, Sat Only (Same car, Second Driver, Two Groups) Add	\$125
Registrations received after cut-off date & Walk-ons Add	\$ 25

*Transponders are available (\$25 rental fee) for Time Trials – first come/first served*

### **DRIVER & LICENSE REQUIREMENTS**

**PDX:** SCCA Performance Driving Experience events (PDX) are designed to concentrate on driver enjoyment, philosophy, and the application of performance driving techniques. PDX provide sa constructive learning environment that stresses proper driving techniques in a noncompetitive environment.

Motorsports are inherently dangerous. These rules are intended to assist the orderly conduct of a motorsports activity and are in no way a guarantee against injury or death to participants, spectators or others. You can reduce risk by driving well, by properly using superior safety gear, by paying attention, and by reporting unsatisfactory issues to the event officials.

Driver Eligibility: Drivers should meet *one* of the following:

- Those who hold a valid state driver's license, or
- Those who hold a racing license from a recognized motorsports organization, or
- Others who demonstrate evidence of experience relevant to high-performance driving.

All drivers aged 15 to 17 must contact event officials before the event and provide a completed SCCA MS-L minor waiver (Form MS-L). A SCCA Time Trial or Competition License is not required. Current SCCA membership (weekend membership is available) is required.

All drivers must attend all mandatory drivers' meetings, classroom sessions and debrief sessions and must drive in a manner consistent with the safety nature of the event.

A Participation Log is required and is available at registration for no-charge. TT Novice Permit or Competition License holders, or alternate license holders are not required to have a Participation Log.

Helmet and Equipment: A Helmet certified as meeting the most current or the two most recent applicable Snell, FIA, or SFI standards are acceptable. Acceptable standards include: Snell ratings (SA2015, SA2010, SAH2010, SA2005, M2015, M2010, M2005, K2015, K2010, K2005); SFI ratings 31.1, 41.1, 31.1A, 31.2A, 41.1A, 41.2A; ECE R22.05, FIA 8859-2015, 8860-2010, 8860-2004; or British Spec BS6658-85 type A. Full face or modular helmets are required all open cockpit cars

There is a considerable gap between a minimum standard and the best protection that current technology can provide. It is recommended that seats, restraint systems, roll bars, and helmets meet the highest safety standards possible. Head & neck restraint systems are not required but are highly recommended.

All participants shall wear shoes which fully cover the foot at least to the ankle while on course.

**Time Trials:** SCCA Time Trials (TT) are timed competitive events where the drivers vie for the fastest individual lap time in their class. TT is not wheel-to-wheel racing for position.

Motorsports are inherently dangerous. These rules are intended to assist the orderly conduct of a motorsports activity and are in no way a guarantee against injury or death to participants, spectators or others. You can reduce risk by driving well, by properly using superior safety gear, by paying attention, and by reporting unsatisfactory issues to the event officials.

Driver Eligibility: Drivers should meet *one* of the following:

- Those with verifiable performance track driving experience at a level that allows solo (no in car instructor) participation.
- Those who hold a SCCA Time Trial Competition license, or
- Those who hold a SCCA Time Trial Novice permit, or
- Those who hold a SCCA Competition License (Novice or Full), or
- Those who hold a racing license from a recognized motorsports organization.

All drivers aged 15 to 17 must contact event officials before the event and provide a completed SCCA MS-L minor waiver (Form MS-L). Current SCCA membership (weekend memberships are acceptable) is required.

#### Required Driver Safety Equipment

Crash helmets meeting the latest or immediately preceding Snell Foundation standard (SA2005, SA2010/SAH2010 or SA2015), SFI standards 31.1 or FIA standard 8860-2004, 8860-2010 shall be used. Full face or modular helmets shall be worn while competing in any open cockpit vehicle. The use of a head and neck support system is highly recommended but not required.

Highly Recommended Driver Safety Equipment: Owing to the competitive nature of these events, the following driver's personal safety gear is highly recommended: Driving suits carrying FIA standards (8856-1986 or 8856-2000) or SFI 3-2A/5 or higher (e.g., /10, /15, /20) certification; Suits carrying SFI 3-2A/1 certification may be worn only with fire resistant underwear; Gloves made of leather and/or accepted fire resistant material containing no holes; Socks made of accepted fire resistant material; Face coverings (balaclavas) of accepted fire resistant material for drivers with beards or mustaches; and Shoes with uppers of leather and/or nonflammable material that at a minimum cover the instep. Window safety nets or arm restraints are required. Arm restraints are required on all open cars. Closed cockpit cars may use either arm restraints or a driver's side window net.

There is a considerable gap between a minimum standard and the best protection that current technology can provide. It is recommended that seats, restraint systems, roll bars, and helmets meet the highest safety standards possible

#### **CAR NUMBERS & CLASS DESIGNATION**

All Time Trials Competitors are requested to place car numbers (no more than three digits) and car class designation on both sides of the car. Car numbers should be a minimum of 8" tall with a 1½" stroke and Class Identifiers should be a minimum of 4" tall with a 1" stroke.

PDX participants are required to have car numbers (no more than three digits) on both sides of the car.

#### **TRANSPONDERS**

All Time Trial (TT) competitors are required to use AMB 260 or compatible transponders to be scored.

Transponders or alternate timing devices are not allowed in any of the PDX groups.

## **LOGBOOKS/SAFETY INSPECTION**

The entrant is responsible for insuring that the vehicle being used is properly prepared for operation under elevated acceleration, braking and cornering forces. Have a Tech inspection sheet completed, if required, and available to present to the SCCA tech inspector.

In order to enter the race course at any time during an event, a vehicle shall display a Tech Sticker signifying successful completion of technical and safety inspection. Passing safety inspection and receiving a Tech Sticker is an indication that the car is approved to go on course. It is not a certification of legality.

A Standard SCCA Club Racing Vehicle Log book or SCCA Time Trials Vehicle log book with notification of Annual Tech or a minimum technical inspection is required for the Tech Inspectors to affix an event Tech Sticker. All vehicles which have SCCA Time Trials or SCCA Club Racing Vehicle log books are eligible for Annual Tech. PDX and Time Trials vehicles may obtain vehicle log books. For vehicles without a roll bar the VIN number may be utilized in place of an assigned roll bar serial number. SCCA Vehicle Log Books are not transferable among vehicles.

## **VEHICLE ELIGIBILITY**

### **Performance Driving Experience**

Street legal vehicles meeting the following requirements are eligible to participate in PDX. Street legal is defined as a car which meets local requirements for inspection (if applicable) and possess a current, valid license and registration. Vehicles that are not street legal must be eligible for classification in the GCR classes of Showroom Stock, Spec Miata, Touring, or Improved Touring; or the Solo classes of Stock, Street Touring, Street Prepared, or Street Mod; or the Reno Region Club Trials Production Classes. No vehicles that are prepared beyond these allowances shall be permitted to participate. Open wheel cars are not allowed.

All vehicles must provide factory original (or better) seats that are securely mounted, seatbelts (SFI or FIA rated are recommended), and roll over protection for both driver and in-car instructor (if used).

- Hardtop and Targa top vehicles are allowable.
- Convertible vehicles operating with factory roll over protection system are allowable. Other convertibles should have either a factory hardtop or a 4 point roll bar. If a roll bar is used, it should meet the roll bar requirements found in the TT/HC Driver Information TTR.
- Vehicles that are in compliance with road race, solo, rally or time trial rules are allowable.
- Drivers of open top vehicles should use arm restraints or run with the top up.

### **Time Trial**

Cars prepared to Time Trial Production classification do not require roll bars except as noted below. (Cars meeting Stock, Street Prepared, Street Touring or Street Mod specifications as found in the Solo rules conform to Club Trials Production classification). All vehicles must provide factory original (or better) seats that are securely mounted, seatbelts (SFI or FIA rated are recommended), and roll over protection for both driver and in-car instructor (if used).

- Hardtop and Targa top vehicles are allowable.
- Convertible vehicles operating with the factory roll over protection system are allowable.
- Other convertibles should have either a factory hardtop or a 4 point roll bar. If a roll bar is used, it should meet the roll bar requirements found in the TT/HC Driver Information TTR.
- Vehicles that are in compliance with road race, solo, rally or time trial rules are allowable.
- Drivers of open top vehicles should use arm restraints or run with the top up.

All vehicles which meet the minimum vehicle safety equipment standards are eligible to participate:

- All current GCR (both National and Regional) classes
- Solo Street Prepared and Street Mod classes
- Vintage-legal (SCCA, HSR, SVRA, etc.) cars
- Other classes (such as Specials, Rally, Legends, other race series, etc)
- Automatic transmissions and hand controls are allowed.

All non-production based vehicles must meet the minimum vehicle safety equipment includes: driver restraints, roll bar or cage, fire extinguisher as defined in the TT & HC Rules. GCR based race cars shall meet the safety requirements for the designated class. Roll Bar specifications can be found in TT & HC Time Trial Driver Information Rules

### Time Trial Car Classifications

These car classifications are applicable to the previous Club Trial and Track Trial groups. At a minimum cars must be prepared to Club Trial requirements as defined in the 2017 Time Trials Rules. There will be two categories of car preparation: Time Trial Production and Time Trial Race. These two categories are applicable to all Time Trial cars and will place most cars built to SCCA Club Racing and SCCA Solo rules. Some cars may be classed by Time Trials Chief of Tech, Chief Steward or designee.

### Time Trial Production Classes

Time Trial Production Class	Performance Potential Index (PPI)	Generally Expected Car Types
CT/TT-X	0 - 449	Supercars, fully prepared racecars, and heavily modified vehicles. (formerly TT-1)
CT/TT-A	450 - 599	High-power, light-weight, or modified sports cars/sports sedans. (formerly TT-2/TT-3)
CT/TT-B	600 - 799	Sports cars and sports sedans. (formerly TT-3/TT-4)
CT/TT-C	800 - 999	Entry-level sports cars, modified vintage sports cars, and modified road cars. (formerly TT-4/TT-5)
CT/TT-D	1000+	Vintage sports cars, and unmodified road cars. (formerly TT-5/TT-6)

Use this link to the rules <http://renoscca.org/ttclass/> for instruction on calculating vehicle PPI.

### Race Prepared Classes

SCCA GCR class structure shall be used to place automobiles competing on racing slicks in their appropriate Time Trials class. Cars that are prepared to SCCA Club Racing Touring, Improved Touring, Super Touring, B-Spec or Production Rules and compete in Club Racing may run their SCCA GCR classification or Time Trials Production classification.

- 1) Production Based Race Cars  
All SCCA GCR Classes including: AS, B-Spec, EP, FP, GT1, GT2, GT3, GTL, HP, ITA, ITB, ITC, ITE, ITS, SM, STL, STU, T1, T2, T3 and T4. Three additional Reno Regional production-based classes for cars that do not conform to SCCA Production or GT Rules are added: SPO (5.0 liters and over), SPM (2.3 to 5.0 liters), SPU (under 2.3 liters).
- 2) Purpose Built Race Cars (All Open Cockpit)  
Formula cars and Sports Racing cars shall use SCCA GCR classes.
  - a) Formula Car classes are: F500, FA, FB, FC, FE, FF, FM, FV, Club Ford and Formula S. Formula S is for all GCR-legal Formula cars that do not conform to SCCA Formula Classes listed. Solo 'Solo Atlantic' cars will compete in Formula S. All Solo 'A' Modified cars and 'Specials' that wish to participate must be in compliance with SCCA Formula S specifications and compete in that class.

- b) Sports Racing Car Classes are: ASR, P1, P2, SRF, SRF3.  
ASR is for all GCR-legal Sports Racers that do not conform to the SCCA Sports Racing Classes listed. Solo 'B' Modified Sports Racers will compete in ASR.
- 3) Vintage Race Cars (Open or Closed Cockpit)
  - a) Formula cars and Sports Racing are: VF5R
  - b) Production car classes are: VP1, VP2, and VP3

**THUNDERHILL RACEWAY PARK Rules and Regulations**

Unauthorized vehicles including ATV's, golf carts, motorized bikes, scooters, or skateboards are NOT allowed on racetrack at Thunderhill Park. People may walk or ride a bicycle on the track after hours with permission from Thunderhill Raceway Park management.

- Paddock speed limit is 10mph or less.
- Illegal drugs, explosives, guns, bows and arrows, sling shots, and similar devices are prohibited. Anyone found with these items will be asked to leave the property.
- NO FIREWORKS ALLOWED!
- Pets allowed into the track must be on a leash at all times. Please clean up after your pet. Pet access is a privilege not a right. The track reserves the right to deny pet access to the property at any time.
- No open campfires or barrel fires are allowed. Only contained, manufactured barbeques and grills are permitted.
- Thunderhill Raceway Park is not responsible for theft, damage, or loss of property.
- No race engines can be run before 7:30 am or after 6:00 pm
- Quiet time is from 11pm – 6am. Please be courteous to your neighbors by not playing loud music or making loud noises between these hours.
- Keep fire lanes open at all times.
- No waste water dumping is allowed. There are RV dump areas a few miles from track. Please see Thunderhill Park Management for directions.
- Offensive signs, public drunkenness and loud profanity will not be tolerated.
- The selling of unauthorized merchandise is not permitted.
- Please do not overload the electrical hookups with excessive cords, etc. as you may cause outages for your neighbors.

**CLUB & TRACK TRIALS CHAMPIONSHIP - EVENT POINTS AND AWARDS**

Points will be awarded for the Saturday Time Trial and will count toward Reno Region Club Trial and Track Trial Championship.

No points will be awarded for the ½ Day Sunday Time Trial on the 3 Mile Course.

Reno Region 2017 season Club Trial and Track Trial Class Championships will be awarded based upon total points earned during the 2017 Time Trials Season. Championship points will be distributed at each sanctioned point's event as follows:

A.	<u>Points:</u>	<u>Place</u>	<u>Points</u>
		1	10
		2	8
		3	6
		4	5
		5	4
		6	3
		7	2
		8 or lower	1

B. Season Championship Awards

- 1) All drivers who enter the minimum number of events to qualify will receive a Championship Award based on Class Finishing Position.
  - a) An entrant is a driver who pays an entry fee to an event and receives no refund of his/her entry fee if driver cannot participate in the event.
- 2) The best three (3) finishes of **eligible** events entered by each driver shall be counted for Class Championship Awards. Drivers must compete in a minimum of two (2) Reno Region event days to qualify for Region Championship Awards. Drivers choosing to use non-Reno SCCA Time Trials events (maximum of 1) must submit a copy of the results for each event to the Reno Region Track Activities Director no more than 20 days following the event.
- 3) Should a Reno Region Time Trials event be cancelled, those entrants who pre-registered for the event will have that event counted as an attended event although no points will be awarded.
- 4) Class Awards will be based on best times from each event.
- 5) Awards will be distributed based on class participation as follows:

1 driver	1 award
2 drivers	2 awards
3 drivers	3 awards
4 or more drivers	4 awards