



# SFR Championship Season Finale Enduro

October 27, 2024

Thunderhill Raceway Park 2.866 mile track

Sports Car Club of America, Conducted by San Francisco Region

Sanction:24-ENG-61881

**SOUND LEVELS RESTRICTED TO 103.9db**

All start times are green flag times.

Saturday Registration in Clubhouse

1:00-6:00 pm

Saturday Tech 1:00-6:00

**OCTOBER 27, 2024**

|       |       |                  |     |
|-------|-------|------------------|-----|
| 7:00  | 10:30 | Registration     |     |
| 7:15  | 10:30 | Tech opens       |     |
| 8:00  | 9:00  | Mandatory        | All |
|       |       | Drivers' Meeting |     |
| 9:30  | 10:00 | Practice         | All |
| 10:15 | 10:45 | Qualifying       | All |
| 10:45 | 12:00 | <b>Lunch</b>     |     |
| 12:00 | 4:00  | <b>4 HOUR</b>    | All |
|       |       | <b>ENDURO</b>    |     |

Transponders are **REQUIRED** for **ALL** cars.

Forward facing working cameras required in all cars.

## ENDURO CLASSES

**Enduro Group** PO, PU, SO, SR, ME

PO - Production based cars 2000cc or more

PU - Production based cars 1999cc or less

SO - Sports Racing Cars

SR - Spec Racer Fords

ME -Mazda Miata's complying with SFR Group 7 rules (All other Miata's are classified as a PO or PU)

## EVENT OFFICIALS

Chief Steward.....Kevin Cullen  
Chairman.....Dave Deborde  
SOM.....Bill Blake  
Safety Steward.....Dean Stoker, Dan Wise  
Operating Stewards.....Paul Helberg, Jim Rogaski  
Tech Steward.....Mike Hayworth, Barbara McClellan  
Sound Steward.....Tim Sullivan  
Results Steward.....  
Pace Car.....Marcy Crawford  
Race Chairman.....Lynne Huntting  
Chief Registrar.....Linda Rogaski,  
.....Claire Kelly  
Chief Tech.....Stephanie Helberg  
Chief Timing & Scoring.....Trish James  
Chief Comm.....Rhea Dods  
Chief Flags.....  
Chief Starter.....Marcia Ulise  
Chief Grid.....Karen Lamm  
Chief Sound.....Cornelia Bell

Classes of less than 10 cars may be combined by the Chief Steward.

Ver Date 9-7-24

Enduro Supplemental Regulations  
October 27, 2024 Thunderhill Raceway Park  
Sanction # 24-ENG-61881

The event is governed under the General Competition Rules (GCR) of the SCCA, the Supplementary Regulations of the San Francisco Region (SFR), the SFR Enduro Supplemental Regulations and the Acceptance Letter for this event.

**PURPOSE**

The purpose of the Enduro is to provide a low pressure event for the enjoyment of the members of the SCCA at the conclusion of the San Francisco Regions racing year.

**ENTRIES**

Each driver must be a member of the SCCA and each car must display SCCA decals on both sides.

**EVENT SCHEDULE**

Advance provisional schedules are subject to change. The OFFICIAL SCHEDULE is included in the Competitor Information email. Do not use a schedule copied off the internet; it may not be the latest version. The Chief Steward may alter the program and schedule to balance the competition and to ensure participant safety. The event will continue in inclement weather but may be modified or shortened.

**ENDURO REGISTRATION**

If a competitor chooses to add the Enduro to their event entry once the event has begun, the competitor must enter the Enduro at Registration. Please refer to the SFR Supplementary Rules and Regulations.

**TIMING, SCORING AND RESULTS**

All cars are required to have a working transponder in all sessions.

Car numbers may be requested during Enduro online registration process. However, SFR reserves the right to change car numbers. Teams will be notified of their car numbers prior to the event. Only car numbers valid for the Enduro are to be displayed on the car. All other car numbers must be covered or removed.

Provisional Results will be posted right away in Race Administration. Official Results will be available once all Steward Actions are final. Every effort will be made to make **Race Hero** available. Hourly positions will be posted at Race Administration.

**ENDURO CANCELLATION**

If you must cancel the Enduro entry, please inform Registration before the start of the Enduro. No refunds will be issued once the Enduro has begun.

## DRIVERS/CO-DRIVERS

All drivers and/or co-drivers must hold a valid Competition License accepted by SCCA per GCR Appendix C.2.1 and 2.8 at a level sufficient to enter a Regional Race. Participants must declare the car primary driver and co-driver(s) on MotorsportReg event registration or at the time of MSR entry. There is a minimum of two drivers and a maximum of four drivers per car.

## PARTICIPANT REQUIREMENTS

**ALL** Participants must comply with GCR requirements, SFR Supplemental Regulations, and SFR Enduro Supplementary Regulations.

## TECHNICAL INSPECTION

All cars must be inspected prior to going on-track. A tech sheet will be given to the first driver for each team at Registration. The Tech form will include the car number and all of the drivers assigned to the team. All drivers will have their gear verified by either a gear sticker or by physical inspection. **Each driver will receive an Enduro helmet sticker at tech. Enduro drivers must present their registration tech card and helmets to tech, once all drivers for the team have gone through tech an enduro car tech sticker will be presented to the primary driver. An enduro helmet sticker for each driver and a car tech sticker are required to participate in this event.** A separate roll bar sticker will be issued for each car participating in the Enduro. Tech stickers will be issued once vehicle and all drivers gear has been inspected.

All cars are required to have working forward facing cameras.

Tech services will be available per the event Schedule.

## MANDATORY DRIVERS MEETING

A mandatory drivers meeting for **ALL** Enduro drivers will be held on the morning of race day to ensure all Enduro regulations are understood. **Failure to attend will result in a lap penalty for each non-compliant team, not to exceed four (4) laps. The penalty will be assessed at the start of the race. See Event Schedule for specifics on location and time of mandatory drivers' meeting.**

## CLASSES

The classes are:

- PO - Production based cars 2000cc or more
- PU - Production based cars 1999cc or less
- SO - Sports Racing Cars
- SR - Spec Racer Fords
- ME -Mazda Miata's complying with SFR Group 7 rules  
(All other Miata's are classified as a PO or PU)

No car may enter more than one class simultaneously.

The Enduro class designations must be clearly shown on both sides of the car with additional designations crossed out or removed.

The Enduro classes are different than those in the SCCA GCR, but all entries must meet the safety requirements of at least one SCCA GCR class. All entries are subject to final approval of the Chief Steward.

SCCA will award individual trophies for each class.

### PIT SPACES

SCCA will mark and number pit spaces on the pit wall. Competitors will not mark the wall in any way until they have been assigned a space number. Pit spaces will be assigned in the order entries are received. Unassigned pits will be assigned at Registration in order of appearance. Trading spaces is not allowed without the Chief Steward's approval

### PIT LANE SPEED

Pit Lane speed is 35mph.

### PIT STOP REQUIREMENTS

This event requires two (2) **5-minute** pit stops Each racecar must take the green flag on track and complete one full lap before being eligible for a mandatory pit stop. Both mandatory pit stops during the Enduro **must be initiated** within 200 minutes of the first attempt to start the race. The Race Clock begins at the first attempt at a green flag from the start stand.

### PIT LANE USAGE

Pit Lane consists of three distinct lanes: the fast lane closest to the racing surface, the transition lane for slowing and accelerating between the fast and pit stall lanes, and the working area pit stall lane.

The fast lane shall be traveled at the pit lane speed limit of 35mph. No slowing below 35mph or stopping at pit-out unless so directed by officials.

The transition lane should only be used on entry for five (5) pit stalls prior to the competitor's pit stall to slow and safely enter their stall without driving through preceding pit stalls. On exiting pit stalls, yield to traffic and accelerate to 35mph merging into the fast lane. Competitors should not spend any more time in the transition lane than necessary to achieve 35mph and safely merge into the fast lane. No passing in the transition lane area.

The working area pit stall lane shall remain clear of equipment and personnel until the car stops.

### PIT STOPS

**Fuel** must meet the requirements of the GCR 9.3.26 and SFR Supplementary Rules and Regulations

Driver must be out of the car before fueling starts, and no work may be performed on the car during fueling.

During fueling, only the fueler and the fire extinguisher person will be over the wall. When necessary, a vent person may also be over the wall. All fueling personnel **MUST** wear full Nomex gear and full-face helmet with visor closed. Fueling must be completed before any work is allowed on the Race Car.

Each team must provide a 10 lb. minimum fire extinguisher. All fuel containers must remain behind the pit lane wall until the car stops, and the driver exits the vehicle.

Teams using fuel containing more than 15% alcohol by volume must have in their pit area enough water in 5-gallon buckets to match the volume of fuel present. They must also have a 2-gallon water style fire extinguisher (preferably containing water with “Cold Fire” or other approved chemical) to be used during refueling e.g. cars running E85. All cars running 15% or more Alcohol must have the letter A on the lower right hand corner of the windshield.

**NOTE: Teams using fuel containing more than 15% alcohol by volume must notify SCCA Registration and post appropriate signage on the car and pit area.**

All refueling must be done using SCCA approved 5-gallon containers or other approved systems. Fueling systems will be approved and stickered as set up in the pit area. All fuel containers in the refueling area must be clearly marked with the car # and labeled **GASOLINE**, **GAS** or **FUEL** in large, readable letters.

Each pit must have a minimum of two – one (1) gallon or larger containers of water. The containers must be clearly marked **WATER** and contain only plain water (no antifreeze, solvents, gas, etc.)

**Cars** may be repaired in the hot pits. However, any repairs that may create a fire hazard (i.e., sparks from welding, cutting, grinding, etc.) must be performed in the staffed Impound area. **DO NOT GO BACK TO YOUR PIT SPOT TO REPAIR THE CAR.** If the car cannot continue notify the Black Flag Station.

**A** maximum of five (5) people, including the driver may be on the hot side of the pit wall at any one time. This means:

4 crew and 1 driver or

3 crew, 1 outgoing driver and 1 incoming driver or

4 crew members with driver remaining in the car (not while fueling!)

**Tires** may be changed without the use of jack stands. However, if a car is raised off the pavement and a person is working under the car, the car must be supported by at least one jack stand.

**Teams** must comply with all rules regarding compressed gas bottles per GCR 6.3.9 and SFR Supplementary Regulations.

**Everyone** in the hot pits must wear a full shirt, long pants, and closed toe shoes. No exceptions. The working area pit stall lane shall remain clear of equipment and personnel until the car is stopped. No equipment may be stacked on the hot pit side of the wall or on top of wall, no standing or crouching on the pit lane wall. No sitting on the pit wall.

**Chief Steward** has the authority to stop any activities deemed to be hazardous. These rules are for the safety of the team members and are mandatory. Be safe!

**Follow** the directions of the Re-Entry Starter when exiting the pits and be aware of traffic on course.

### **PIT STOP TIMING**

Pit stops will be timed electronically by SFR race officials. Time will start as the car enters pit-in (at the designated cones). Time will stop as the car passes the start finish line. Cars may not stop or slow down below 35mph at pit-out unless instructed to do so by Re-Entry Starter.

### **SCORING PENALTIES**

#### **Pit Stop Violations:**

5-minute pit stop violation, time penalty is the time short plus 30 seconds with the penalty issued post-race. (pit stop 4:30 equals a penalty of 30 seconds for the time short plus 30 second additional penalty)

Mandatory Pit Stop after 200 minute time limit: 40 second penalty with the penalty issued post-race.

Pit lane speeding: 40 second penalty issued post-race.

Unsafe handling or spillage of fuel **WILL** result in a penalty. The severity of the incident will determine the penalty. The time penalties will be issued post-race. Time penalties cannot be used as a mandatory 5-minute pit stop.

- A A minor spill (less than 1' in diameter) will receive a warning.
- B Any additional minor spill will receive a 2-minute penalty.
- C A significant spill (1'-3' in diameter) will receive a 2-minute penalty.
- D A major spill (over 3' in diameter) will receive a minimum 5-minute penalty.
- E A second major spill will result in immediate retirement of that car and team.

Excessive spillage into catch pans is not permissible and any fuel in catch pans must be immediately placed into a closed fuel container. Rags or other absorbent materials used to prevent fuel spillage must be kept in a closed, fireproof container.

**The Chief Steward may modify any penalty.**

## GRID

Cars arriving after the five-minute signal will forfeit their grid position and will start at the back based on when they arrive to Grid.

Grid will be checking for helmet stickers and Enduro tech sticker.

If you have a delay in leaving the grid due to late arrival or mechanical issue, do not attempt to regain your original grid position during the pace lap. You may improve position only after the green flag is displayed by Starter.

## RACE PROCEDURE

Grids will be determined by qualifying session. See Event SFR Supplemental Rules and the Event Schedule. There will be one (1) pace lap behind the pace car. The race time starts as the lead car crosses the starting line with the first attempt at a green flag and ends after the allotted time expires upon crossing the Finish line by the overall winner. Circumstances may exist where the race clock begins, and the race field remains under caution behind the Safety Car. In the event of an incident, the Safety Car may be used with double yellow flags displayed at all stations around the course. Once you have safely cleared the incident scene, please catch up to the pack as soon as possible. Pits will remain open. No passing is permitted while yellow flags are displayed, and no driver may pass the safety car unless waved by. Procedures will be discussed at the mandatory drivers' meeting.

## FLAGS:

**White Flag:** Open, displayed at all corners and start, at the beginning of practice sessions. Passing allowed, you may encounter slower cars. Displayed during any session indicates a slow-moving vehicle (race car or emergency equipment). Waved at start/finish indicates one lap to go.

**Yellow Flag:** Standing – a situation exists that warrants your attention and caution. Exercise Caution! NO PASSING from the point where the flag is displayed until you have proceeded safely past the cause(s) of the yellow flag. Failure to adhere to these rules may result in a penalty.

**Yellow Flag:** Waving – a hazardous situation exists that warrants your attention and extreme caution. SLOW DOWN AND NO PASSING. Be prepared to deviate from your driving line and be prepared to stop. Passing is prohibited until safely past the cause(s) of the yellow flag. Failure to adhere to these rules may result in a penalty.

**Yellow Flag:** Double – when you see a station displaying two yellow flags, A FULL COURSE YELLOW exists. NO PASSING, a safety car may be used.

**Open Black Flag:** If you are Black Flagged, stop at the Black Flag Station on pit lane for consultation with the Black Flag Steward. Black Flag stops will not count as a mandatory

stop. You must return to the circuit after the Consultation has ended and do at least one circuit before making a mandatory stop.

**Mechanical Black Flag (Meatball):** Cars receiving a Mechanical Black Flag must stop at their assigned pit space for necessary repairs. This may count as your mandatory stop.

**Black Flag All:** Displayed at each corner station and at the starters stand means the racing has been stopped. NO PASSING. Cars entering pit lane are to proceed in single file in race order to the Re-entry Starter for direction. **DO NOT PULL INTO PIT STALLS.** No pit stops work may be performed. Crew members may clean the windshield and attend to any driver's needs. If pit stops are in progress, work must cease. Drivers are to remain in cars unless directed otherwise. Work must cease. If the race can be resumed, the pit stop window may be extended. Any changes to the schedule will be communicated to the teams before the race resumes. If the session resumes with a Safety Car leading the pack, once the safety car leaves pit lane under full course yellow the pit stop clock will resume. **No pit stops may be initiated as the field follows the safety car out of pit lane.**

**Red Flag:** Displayed at each station and on the Starter's stand – **EXTREME DANGER – THE SESSION HAS BEEN STOPPED.** Come to an immediate, controlled stop at the side of the race track (preferably before and within sight of a staffed station.) Once a red flag has been displayed, it will not be withdrawn until all cars have come to a stop. When released by a race official, proceed cautiously to the pits.

#### **SAFETY CAR**

If the Safety Car enters the circuit, slow down and follow in single file. Once you have safely cleared the incident scene, please catch up to the pack as soon as possible. Do not change position and do not pass the safety car unless waved by. Any time the safety car is on track with the lights on drivers are to follow the safety car wherever it goes (including pit lane or to bypass a portion of the circuit).

#### **SCRUBBING OF TIRES**

Scrubbing of tires is only allowed on Race Surface and behind the Pace Car. Scrubbing of tires is NOT allowed in any portion of the Pit Lane, Paddock, or Grid areas.

#### **PASSING**

The responsibility for a safe pass rests with both drivers. It is the responsibility of the passer to make a safe pass and responsibility of the driver being passed to leave sufficient room to make a safe pass. **All drivers must be aware of GCR appendix P.**

#### **SOUND**

Sound restrictions for all sessions will be per the SFR Region's Supplemental Rules and Regulations 7.C.

### **SAFETY EQUIPMENT**

Please be sure your safety equipment is in date per the SCCA GCR 9.3.19.C. 1-8. If there is a question, please contact the Chief of Tech for any clarification.

### **POST-RACE PODIUMS**

The top three finishers in each class will be invited to the podium to receive awards.

### **Questions?**

Blake Tatum 209-403-2452

Tim Sullivan 925-487-4629

Stephanie Helberg, Chief of Tech, 925-876-9442