



Cascade Sports Car Club's 58th Mountains to the Sea Rally

Destination: Seaside

Sept. 9, 2023

General Information and Road Rally Rules



Welcome to the Cascade Sports Car Club's 59th Mountains to the Sea Road Rally.

This event is conducted in accordance with the most recent version of this document as posted on the event website. <http://www.cascadegeargrinders.org/Mountains-to-the-Sea.html>

Registration and Check In

Online registration is required. Registration closes midnight Wednesday, Sept. 18.
<http://msreg.com/CSCC24M2C>

All communication about the rally will occur via email. Watch for emails and respond promptly.

After the Sept. 18 midnight deadline, entrants will receive instructions to complete the virtual check-in on Thursday the 20th. You'll need to register your assigned car number in the Competitor Richta app, e-sign the required event insurance waivers, and confirm your team's registration information.

After you've completed these check-in steps, you'll receive the route instructions on Friday. You'll need to print them. Friday evening there will be a Q & A Zoom meeting.

On Saturday, leave the start by your assigned out time. Follow the route instructions to the end. Prizes will be awarded at the end location soon after all teams have finished.

Competition Classes

Contestants may register to compete in one of four classes. Competitive classes are divided into two categories, defined by the type of equipment allowed:

Unequipped – Stock odometer and stock in-dash navigational display permitted. No calculation equipment allowed. Two classes compete in this category:

- **Novice** – This class is intended for beginners
- **SOP** (Seat of Pants)

Start Location

Milwaukie Lowe's
13631 SE Johnson Rd, Milwaukie, OR 97222

End Location

[Mo's Seaside](#)
30 North Prom Seaside, OR

Schedule –

Sept. 18, Wednesday
Registration closes: midnight

Sept. 19, Thursday
Virtual check in

Sept. 20, Friday
Route Instructions distributed
Q & A Zoom meeting: 7 p.m.

Sept. 21, Saturday
First car out: 10:01 am
Lunch: 1:00 pm approx.
Finish: 4:30 pm approx.
Results announced: 6 pm approx.

Equipped – Navigational and calculation equipment is permitted as described below in the two classes that compete in this category:

- **GPS** – Distance measurement is provided by a GPS source. The GPS source may connect to a calculation device.
- **Unlimited** – This class is not limited in any way. Any contestant may compete in this class, regardless of equipment in use.

Format

This is a time-speed-distance tour-style road rally. The rally route is a bit over 180 miles and takes about six and a half hours to complete. The rally route is easy to follow. Route instructions are accompanied by mileage. Speeds are set at or below legal speed limits. Pauses are provided where cross traffic or congestion may occur. There are no uninstructed turns and no navigational or time-keeping traps.

The rally consists of nearly 40 GPS controls, most of which are timed checkpoints. There are time-of-day restarts at the end of the odo check, at the end of each break, at the end of the lunch transit, and in a couple other places.

Time

Timing is in hours, minutes and seconds. Time is shown in the route instructions and in the Richta app in 24-hour format. For example, 1:25 pm is shown as 13:25:00. Time displayed on the Rally Clock on your Richta app is official time.

Mileage Measurements

This rally was measured by a 2019 Kia Niro EV using an Alfa-Elite Rally Computer connected to the undriven left rear wheel. The rally route is measured in thousandths of a mile.

Odometer Calibration

The rally starts with an odometer calibration for the purpose of allowing each team's odometer to be compared to the official odometer. The odometer calibration TRANSIT specifies no average speeds, contains no controls, and is followed by a CZT (Car Zero Time, time-of-day restart).

Scoring

The object of a time-speed-distance road rally is to drive the rally route as close to on time as possible, arriving at checkpoints having taken the amount of time calculated by the rallymaster (official leg times). Official leg times are calculated to the exact second.

Each leg of the rally is timed and scored independently. If you are late, you cannot make it up on the next leg by being early. Your leg time is calculated from your most recent time-of-day restart to your checkpoint arrival time or from your previous checkpoint arrival time to your current checkpoint arrival time. Your leg time is compared to the official leg time.

Each second that you arrive early or late at a checkpoint is worth one penalty point. A perfect leg score is zero, arriving exactly on time. The maximum number of penalty points for any one leg is 30. If you are more than half a minute early or late on any leg, your score for that leg is 30.

The final Monte Carlo section begins with a CZT and ends with a CZT. No average speed is specified. You must arrive at the final CZT within your scheduled minute to get a score of zero. For example, Car Zero is supposed to arrive at the final CZT at 4:33:00. As long as they arrive at any time from 4:33:00 to 4:33:59, their score is zero. If they arrive before 4:33:00 or after 4:33:59, their Monte Carlo leg score is 30.

Your score for the rally is the total of all your leg scores. Lowest score wins!

Checkpoints

Mountains to the Sea uses unmanned checkpoints, timed by the Competitor Richta GPS Checkpoints app. The Richta app records your arrival time at each checkpoint.

Checkpoints are indicated in the route instructions. You will know there is a checkpoint between two NRIs with official mileage, but you won't know precisely where. Checkpoints are not physically identified by a sign.

Moments after you pass the checkpoint, your smart device will sound a notification tone and display or announce your arrival time, your leg score, and whether you were early or late. Your arrival time is your start time for the next leg, so do not stop -- continue rallying on time.

There are no checkpoints for one mile after each CZT (time-of-day restart).

Time Allowance

If you are delayed along the rally route for any reason, you may submit a time allowance. See the [Richta app instructions](#) for how to enter a time allowance in the app. To calculate how much time allowance you need, see page 2 of the [March 2022 Geargrinders News](#).

Safety

Contestants must obey all traffic laws and drive in a safe manner throughout the event. The penalty for receiving a traffic citation or being observed driving recklessly during the rally is disqualification.

Following the Rally Route

Rally Route

To follow the intended rally route, proceed by taking the following actions in the order listed:

- Execute emergency directions provided by a rally official - as special message in Richta app.
- Execute a numbered route instruction.
- Stay on the principal road.

Numbered Route Instructions (NRIs)

The numbered route instructions contain all the information required to complete the rally. No supplemental instructions will be provided during the event.

Exception: In case of unanticipated emergency, emergency directions may be broadcast by a rally official as a special message in the Richta app.

Complete the NRIs in ascending numerical order at the indicated official mileage.

In an NRI, text within parentheses (()) is to be considered a helpful comment, not a mandatory action.

Principal Road

The principal road is the obvious continuation through an intersection of the road upon which you are traveling. At some intersections this principal road may be determined by pavement surface continuity, a curve warning sign, the center line on the pavement, the placement of a stop or yield sign, the continuation of multiple lanes in your direction of travel (such as when you are upon a limited access highway), straight as possible, etc.

If the principal road is not obvious, a route instruction will be provided.

Rally Roads

A rally road is a public through road. A rally road is paved. Do not consider the following as valid rally roads:

- Roads posted “NO OUTLET”, “DEAD END”, “ROAD CLOSED”, “NO THROUGH TRAFFIC”, etc.
- Roads that are visibly barricaded or impassable.
- Roads and cul-de-sacs that visibly dead-end.
- Roads having illegal entry or requiring an illegal turn to enter.
- Unpaved roads.

Intersections

An intersection is any joining of rally roads from which the contestant could legally proceed in more than one direction without U-Turning.

Landmarks

A landmark is a physical object identified by a sign. A landmark is identified in route instructions in upper case (all capital letters) not in quotation marks (""") and is not a term defined in the Glossary.

Official Mileage (OM)

Numbered route instructions are accompanied by official mileage (OM) and must be executed at that mileage. Zero your odometer at the start of the rally and whenever instructed to in the route instructions (e.g., /0.00).

Speed Changes

Speed changes occur at the official mileage (OM) of the numbered route instruction (NRI). (Speed changes that occur at a sign were measured as you pass by and are even with the sign. Speed changes at an intersection were measured as you enter the intersection.)

Signs

A sign is any object on which is written, printed, painted, embossed, inscribed, or otherwise marked words, letters, numbers, and/or symbols. A sign is identified in route instructions in upper case (all capital letters) and enclosed in quotation marks ("""). When quoted, a sign will be exact with respect to spelling, punctuation, detail, and shape of symbols as close as graphically reasonable.

A sign used as a reference may be on the left, right, or overhead, approximately parallel to your line of travel, approximately facing you, or at any angle in between.

Glossary

The words and abbreviations listed below when used in route instructions have only the following definitions when they appear in upper case (all capital letters) and not in quotation marks ("""). All words in route instructions appearing in lower case are understood to mean the common dictionary definition.

BLINKER – An intersection controlled by a conventional traffic caution or stop blinker(s), capable of operating as blinker(s) only. May be off.

CAST – Change average speed to.

CP – Checkpoint. Example: CP 4 (the numeral identifies the control in the Richta app)

CZT – Car Zero Time. Time of day restart. Execute the accompanying route instruction at the Car Zero Time plus your car number in minutes.

L – Left at an intersection.

PAUSE – To pause for a specified time. The pause time is included in the leg time calculations.

R – Right at an intersection.

S – Straight at an intersection.

SIGNAL – An intersection controlled by multi-light traffic signal(s) which may be operating as blinker(s) or may be off.

STOP – An intersection with an official highway stop sign at which the contestant is legally required to stop.

TC – Time Check. The Richta app displays the time at which you arrived at this non-scored control.

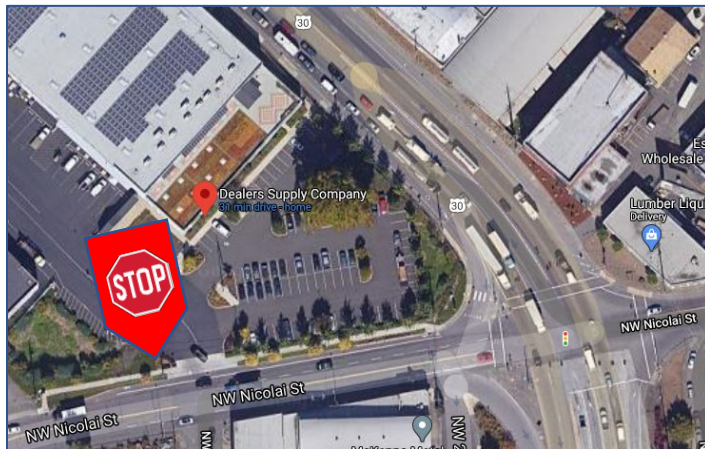
TRANSIT – A part of the rally which specifies no average speeds, contains no controls, and has a specified duration (e.g., 10 minutes) or ends with a CZT.

About the Rally – **TO BE UPDATED**

Rallymasters for this event are Monte and Victoria Saager. The rally was pre-checked by the rallymasters and by the team of Paul Eklund and Yulia Smolyansky.

Start

Before the rally, print out these [M2C Road Rally Rules](#) and the route instructions. Bring them to the start. It may also be helpful to have a printed copy of the [Richta App Instructions](#).



Rally officials will meet with rally teams at 9:45 a.m., Saturday, Sept. 9, at Dealers Supply, [2345 NW Nicolai St, Portland, OR 97210](#). Plan to arrive at the start a few minutes before the meeting time.

Rally officials will distribute window cling car numbers and dash plaques. They will also make last-minute



announcements.

The first car begins the rally at 10:01 a.m. Your out time is your car number plus 10 a.m. If you are car 5, your out time is 10:05. You may leave the start location before your out time. Leave the start no later than your out time.

You can wait in the parking lot with other rally cars getting ready to start the rally. Do not block the parking lot entrance/exit.

The start location is the stop sign at the exit from the Dealers Supply parking lot. That stop sign is where you start the rally by zeroing your trip meter and executing the first numbered route instruction, NRI 1, by going left to exit the parking lot. Then continue executing the NRIs in numerical order.

End Odometer Calibration

The odometer calibration ends at the Farmington Paddle Launch at a sign just inside the entrance to the parking lot. As your out time approaches, exit the park and proceed to the stop sign (blinker). This stop sign is where the transit ends, and you restart (CZT). This is a busy intersection, so do not block the restart location. There is room for a couple cars to pull ahead and wait on the paved shoulder on the other side of the intersection.

First Break

The morning break is in Lafayette. [Joel Perkins Park](#) is a couple blocks into the transit. This park has parking and restrooms. The break ends at a CZT restart at the [City of Lafayette Terry Park sign](#). If you have extra time, you can wait in this park; however, there are no restrooms here and the park road is gravel. There is room for a couple cars to pull ahead and wait on the paved shoulder. Do not block the restart location. You should have at least 15 minutes for this 0.6-mile break transit.

Lunch

Lunch is on your own in Dallas. There are several [restaurants near the transit route](#). The [Dallas City Park](#) has parking, picnic tables, and restrooms. The lunch break ends at a CZT restart at the street sign for Oakdale Avenue. There is room for a couple cars to pull ahead and wait on the paved shoulder. Do not block the restart location. You should have at least 45 minutes for the two-mile lunch transit.

Second Break

The afternoon break is at [Fort Hoskins Historic Park](#) which has parking and restrooms. Rally officials will greet rally teams at the covered picnic area with beverages and snacks. The break ends at a CZT restart at the stop sign leaving the park. You should have at least 15 minutes for this break.

Ending

The ending location is the [South Beach Park day use area](#) (restroom) in Newport, Oregon. Awards will be presented in the day use area soon after the last team arrives at the finish.