



# Mountains to the Sea Rally

## *Seashells at the Seashore*

May 14, 2022

### General Information and Road Rally Rules

Welcome to the Cascade Sports Car Club's 57th Mountains to the Sea Road Rally.

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

#### Registration and Check In

Online registration is required. Registration closes midnight Wednesday, May 11. <http://msreg.com/CSCCM2C22>

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

After the May 11 midnight deadline, entrants will receive instructions to complete the virtual check-in on Thursday the 12th. 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 morning, leave the start by your assigned out time. Follow the route instructions to the end. Results will be emailed soon after all teams have completed the course.

#### 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

Dealers Supply parking lot  
[2345 NW Nicolai St, Portland, OR 97210](#)

#### End Location

Ebb-Tide Oceanfront Inn  
[300 N Prom, Seaside, OR 98138](#)

#### Schedule –

##### May 11, Wednesday

Registration closes: midnight

##### May 12, Thursday

Virtual check in

##### May 13, Friday

Route Instructions distributed  
Q & A Zoom meeting: 7 p.m.

##### May 14, Saturday

First car out: 10:01 am  
Lunch: 1:00 pm approx.  
Finish: 5:00 pm approx.  
Results emailed: by 7 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. It is easy to follow the rally route. 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 over 40 GPS controls, most of which are timed checkpoints. There are time-of-day restarts at the end of the odo check and at the end of the lunch transit.

Lunch is on your own in Longview.

The ending location is the Ebb-Tide Oceanfront Inn in Seaside, Oregon.

Weather and COVID permitting, we hope to have a beach fire. Bring your beach blanket and a piece of firewood and join in. Arrangements are currently pending for an optional dinner box, to be ordered ahead. Watch this space.

### **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-Club odo unit 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. 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.

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 monitors your car's location using GPS and records your arrival time at each control.

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 traditional checkpoint sign.

Moments after you pass the checkpoint, your smart device will sound a notification tone and display your arrival time, your leg score, and whether you were early or late. (With the most recent version, the app can audibly read your score to you.) 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 Richta App.

## 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.

**CAST** – Change average speed to.

**CP** – Checkpoint. Example: CP4 (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**

Rallymasters for this event are Monte and Victoria Saager. The rally was pre-checked by the rallymasters.