



Mountains to the Sea “The Rally to Clark’s Tree” September 19, 2020



General Information and Road Rally Rules

Welcome to the Cascade Sports Car Club’s 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>.

Start Location

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

End Location

[Breakers Hotel](#)
210 26th NW Street Long Beach, WA 98631

Schedule – September 19, 2020

Check in: online
First car out: 10:01 am
Break: 11:30 am approx.
Lunch: 1:15 pm approx.
Finish: 4:30 pm approx.
Results posted: by 7 pm approx.

Registration

Online registration is required. Registration closes midnight September 16. <http://msreg.com/CSCCM2C>

Due to the current global pandemic, online registration is required. Day-of-event on-site registration will not be available. This is Cascade’s seventh TSsD (Time Speed social Distance) road rally and will be conducted in compliance with current social distancing orders. “You stay in your car; we’ll stay in ours.”

Those who register by the Sept. 16 deadline will receive an email on Thursday the 17th, providing further instructions including your car number assignment, instructions for registering your car number in the Competitor Richta app, and a link to e-sign the required event insurance waiver. Once you’ve completed these check-in steps, we’ll email the route instructions. You’ll need to print them.

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 – Only pen, paper, timepiece(s) and stock odometer permitted. No calculation equipment allowed (including average mph display). Two classes compete in this category:

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

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

- **GPS** – All 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. It is easy to follow the rally route. There are no uninstructed turns, navigational or time-keeping traps. Speeds are set to be achievable. Pauses are provided where cross traffic or congestion may occur.

The rally consists of several regularity sections and a final Monte Carlo section. Each section begins with a CZT (Car Zero Time, time-of-day restart). Each section contains one or more GPS-timed (unmanned) passage controls.

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.

We recommend using an atomic clock app to sync your smart device clock.

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 from speed change to speed change. Official leg times are calculated to the exact second.

Odometer Calibration

The rally starts with an odometer calibration zone for the purpose of allowing each contestant's odometer to be compared to the official odometer. The odometer calibration zone specifies no average speeds, contains no controls, and ends with 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 passage controls having taken the amount of time calculated by the rallymaster (official leg times).

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 passage control arrival time or from your previous passage control arrival time to your current passage control arrival time. Your leg time is compared to the official leg time.

Each second that you arrive early or late at a passage control 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 60. If you are more than a minute early or late on any leg, your score for that leg is 60.

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 4:30:00. As long as they arrive at any time from 4:30:00 to 4:30:59, their score is zero. If they arrive before 4:30:00 or after 4:30:59, their Monte Carlo leg score is 60.

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

Passage Controls

Mountains to the Sea uses unmanned passage controls, 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 to a resolution of one second.

Passage controls are indicated in the route instructions. You will know there's a passage control between two NRIs with official mileage, but you won't know precisely where. Passage controls are not identified by a traditional checkpoint sign.

Moments after you pass the control, your smart device will sound a notification tone and display 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 you should continue rallying on time until you reach the next restart point as identified in the route instructions. There are no controls 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 without any penalty. Use a time allowance when you lose time due to traffic or an off course excursion, or if you're late to start a CZT (time-of-day restart). Calculate or estimate how much time you need. Enter a Time Allowance (TA+) in the Richta Competitor app equal to or greater than the amount of time you need. Wait out any extra time, then continue following the NRIs at CAST.

Submit a time allowance by pressing the TA+ button on the Richta app. The first button press creates a 10-second time allowance. The second press creates a 20-second time allowance. The third press creates a 30-second time allowance. Each additional press adds 1 minute to your time allowance up to a maximum of 19 minutes 30 seconds (19 ½ minutes).

The time allowance amount displayed by the app is applied to your score for the current leg only. Since each leg is scored independently, you are automatically on time as you start a new leg. As soon as you encounter a PC or a CZT, the time allowance in the app reverts to zero.

Drive Safely

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.
- Execute a numbered route instruction.
- Stay on the principal road.

Numbered Route Instructions (NRIs)

The numbered route instructions contain all the instructions required to complete the rally. No supplemental instructions will be provided during the event. Exception: In case of unanticipated emergency, emergency directions may be provided by a rally official.

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

In an NRI, text within parentheses (()) is to be considered a clarifying 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 sign or a 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.

A roundabout is a joining of rally roads where traffic travels counterclockwise around a central island. Once in the roundabout, the principal road continues around the roundabout. A numbered route instruction is required to exit the roundabout.

Rally Roads

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

- Roads posted "PRIVATE", "KEEP OUT", "NO OUTLET", "DEAD END", "ROAD CLOSED", "NO THROUGH TRAFFIC", etc.
- Roads that are visibly barricaded or impassable.
- Cul-de-sacs that visibly dead-end.
- Roads that visibly dead-end.
- Roads having illegal entry.
- Roads requiring an illegal turn to enter.

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 at each CZT (car zero time, time-of-day restart) as indicated 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), 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.

CZT – Car Zero Time. Time of day restart. Leave 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 added in the leg time calculations.

PC – Passage control.

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.

T – An intersection having the shape of the letter T as approached from the base. It is not possible to execute the instruction S at a T.

TC – Time Check. Displays the time at which you arrived at this non-scored control.

TRANSIT – A part of the rally in which route instructions apply, but you may leave the route for rest or refueling. A TRANSIT specifies no average speeds, contains no controls, and ends with a CZT (Car Zero Time, time-of-day restart).

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