



Cascade Sports Car Club's 60th

Mountains to the Sea
Road Rally

BEACH TRIP!

May 10, 2025



General Information and Road Rally Rules

Welcome to Cascade Sports Car Club's 60th Anniversary 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>

Format

Mountains to the Sea is a time-speed-distance tour-style road rally exploring less-traveled roads between Portland and the Coast. The rally route instructions are easy to follow. Route directing instructions are accompanied by mileage. Speeds are set at or below legal speed limits. Pauses are provided where cross traffic or congestion may occur and as needed.

Registration and Check In

Online registration is required to enter. Registration closes midnight Wednesday, May 7. <http://msreg.com/CSCC25M2C>

Entry requires a street-legal vehicle, a licensed and insured driver, a navigator, and a cell phone or tablet running the [Competitor Richta GPS Checkpoints](#) app (app is free).

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

On Thursday, entrants receive car number assignments (start times) and instructions to complete virtual check-in steps: register car number in the Richta app, e-sign event insurance waivers, and confirm your team's registration information.

Route instructions are distributed early on Friday. You'll need to print them.

Attend the Friday evening Q&A Zoom meeting to ask questions and speak to the rallymasters.

Start location:

Milwaukie Lowe's
[13631 SE Johnson Rd, Milwaukie, OR 97222](#)

End location:

Rogue Brewers on the Bay
[2320 SE Marine Science Dr, Newport, OR 97365](#)

Schedule

May 7, Wednesday

Registration closes: midnight

May 8, Thursday

Virtual check in

May 9, Friday

Route Instructions distributed: am
Q&A Zoom meeting: 7 pm

May 10, Saturday

First car out: 10:01 am
First car at lunch: 1:00 pm est.
First car finishes: 4:50 pm est.
Results and prizes: 6 pm or sooner

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 for beginners.
- **SOP** (Seat of Pants) – This class is for contestants with some rally experience.

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 be connected 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.

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

The rally was measured by a 2024 Kia EV6 using a Tabicus Rally Computer. 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 scored 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 checkpoints having taken the amount of time calculated by the rallymaster (official leg times). Official leg times are calculated to the exact second.

The rally consists of many timed legs. Each leg is timed and scored independently. If you are late on a leg, 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 60. If you are more than a minute early or late on any leg, your score for that leg is 60.

Exception: The final leg of the rally, the Monte Carlo, begins with a CZT and ends with a checkpoint. No average speed is specified. To get a score of zero, arrive at the final checkpoint within your scheduled minute. For example, Car Zero is scheduled to arrive at the final checkpoint at 4:45:00. If they arrive at any time from 4:45:00 to 4:45:59, their leg score is zero. If they arrive before 4:45:00 or after 4:45:59, their Monte Carlo leg score is 60. The Monte Carlo leg will be scored manually, not in Richta.

Your score for the rally is the total of all your leg scores. Lowest score wins! The top three teams in each competition class are recognized and awarded prizes. (GPS and Unlimited are combined as Equipped.) The driver and navigator names of the first place overall winning team will be engraved on the Mountains to the Sea Rally Perpetual Trophy.

The Richta app does not reflect official scores. Results published by rally officials reflect the official scores.

Checkpoints

The rally is timed by the Richta GPS Checkpoints app using unmanned checkpoints. The Richta app records your arrival time at each checkpoint.

Checkpoints are indicated in the route instructions. The term CP with a numeral is displayed between two numbered route instructions, but no mileage or reference is provided. Checkpoints are not physically identified by a sign along the rally route.

Exception: The Monte Carlo checkpoint will display a CSCC checkpoint sign. Official mileage and scheduled Car Zero Time for the Monte Carlo checkpoint will be provided in the route instructions.

Moments after you pass a checkpoint, your smart device will sound a notification tone or announce your arrival time and display 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 enter a time allowance in the Richta app.

If you are not able to follow the course at specified speeds or if you find yourself trying to occupy the same point in space as another vehicle, find a safe place to pull over and take a time allowance. There is no penalty for using 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

Do not tailgate; do not pass in no passing zones or in other unsafe situations. 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.

Speeds are brisk in some sections. There is construction in some areas. Some roads are rough. Striping may not be present and shoulder edges may drop off. Some intersections are busy and you may have to wait for traffic to clear before proceeding. Bicycles, pedestrians and wildlife may be in the roadway. For all these reasons, use caution. Safety first. Use time allowances as needed.

When approaching or passing a person riding, leading or herding livestock on the road, use caution and yield right of way. If the person riding or leading livestock gives a distress signal by raising a hand, you must promptly stop, unless movement is necessary to avoid an accident and, if requested, turn off the engine until the livestock is under control. (ORS 811.510)



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 broadcast message in Richta app.
- Execute a numbered route instruction.
- Execute an automatic route instruction.
- Stay on the principal road.

Numbered Route Instructions (NRIs)

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

Exception: In case of 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.

Automatic Route Instruction

The following Automatic Route Instruction is in effect throughout the rally except during a TRANSIT and except during the Monte Carlo leg.

CAST the posted legal speed limit minus 5 mph at "SPEED" on regulatory black on white rectangular speed control sign. Ignore presence or absence of "LIMIT" on the sign.

Execute an automatic route instruction each time an appropriate speed control sign is encountered.

A sign referenced by an automatic route instruction is on the rally route. Do not consider signs down sideroads or visible from an intersection at which the rally route goes away from and does not pass the sign.

Speed changes that occur at a speed control sign occur at the regulatory black-on-white rectangular speed control sign, not at the yellow diamond speed-zone-ahead sign. Ignore black on orange signs (temporary), speed control signs for school zones, and end speed zone signs.

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. Unless specifically mentioned in a route instruction, a rally road is paved. Unless specifically mentioned in a route instruction, 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 will occur 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. Speed is expressed in miles per hour.

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.

LOOK – Direct attention briefly in the indicated direction and PAUSE 10 seconds.

NRI – Numbered Route Instruction.

OPP – Opportunity, a named or numbered rally road at which you can perform the specified action.

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 your arrival time at this non-scored control.

TRANSIT – A part of the rally which specifies no average speeds, contains no scored controls, and has a specified duration (e.g., 10 minutes) or ends with a CZT. The specified TRANSIT duration time is included in the leg time calculations when the TRANSIT does not end with a CZT.