



# Mountains to the Sea General Information and Road Rally Rules

Revised July 29, 2019

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.

## Start Location

[Southeast corner of Fred Meyers parking lot, 19200 SW Martinazzi Ave, Tualatin, OR 97062.](#)

## Schedule – August 10, 2019

Check in: 9 am  
Participant meeting: 9:40 am  
First car out: 10:01 am  
First car arrives at lunch: 12:15 pm  
First car arrives at finish (approx.): 4:30 pm  
Beach party: 5 pm  
BBQ dinner: 6 pm  
Results posted, awards presented

## Registration

Preregistered teams will receive an email providing instructions for downloading and using the Competitor Richta GPS Checkpoints app. Make sure this app is installed and running before day of event registration.

Preregistered teams will also receive a registration form. Bring the completed registration form and entry fee (check or cash only, no plastic) to the registrar on the morning of the rally. The registrar may ask for current evidence of CSCC membership to grant member pricing. Registration opens at 9 a.m.

Note these requirements:

- The driver must have a valid driver's license and carry minimum insurance coverage(s) as required in the state where the vehicle is registered.
- The driver must read and complete the vehicle self-inspection portion of the registration form in its entirety and sign where indicated.
- All participants (drivers, navigators and passengers) must sign the ICSCC Insurance Liability Waiver form available at registration. Participants under the age of 18 must present a parent or legal guardian to the Geargrinders Chair who will witness the signing of the minor release form.

When you have completed registration, the registrar will give you route instructions.

Start times are in one-minute increments based on car number. (For example, car 2 starts the rally at 10:02 a.m.). At your start time, leave the out marker by following the route instructions.

## 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.

## Dedication

The 2019 Mountains to the Sea rally is dedicated to Karen Levear. To honor her support of Cascade's road rally program and her affection for this event specifically, the winning trophy will be awarded on the beach by the light of the fire with the Karen Levear Memorial Mountains to the Sea Trophy Dance.

## 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 time-of-day restart (car zero time, CZT). Each section contains one or more GPS-timed (unmanned) passage controls. The longest section is shorter in miles than the odometer calibration zone.

## 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 WWV to set your rally clock as this originates from the same time standard as the GPS clocks.

## Mileage Measurements

This rally was measured by a 2002 Acura RSX Type-S 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.

## **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.

For the final Monte Carlo section, the leg 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! Prizes will be awarded to class winners at the beach party concluding the rally.

## **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. For example, NRI 43 is executed at OM 7.95. Then there's a passage control (PC 13). Followed by NRI 44 which is executed at OM 11.05. So, you know there's a passage control between OM 7.95 and OM 11.05 but you don't know precisely where. Passage controls are not identified by a traditional checkpoint sign.

Moments after you pass the control, your smartphone will sound a ringy-dingy 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 time-of-day restart point.

## **Time Allowance**

If you are delayed along the rally route for any reason, you may submit a time allowance without any penalty. Hence if you are delayed due to road blockage, slow traffic, getting lost, nature call, or any other reason, do not speed to try to make up the lost time. (See the Richta app instructions provided to preregistered contestants for entering a time allowance.)

## **Drive Safely**

Contestants must obey all traffic laws and drive in a safe manner throughout the event. Contestants observed driving recklessly or in a manner which may imperil the safety of occupants of their own vehicle, other participants, or the public will be subject to disqualification from the event in progress and may be refused entry to subsequent event(s). Any contestant cited by a recognized law enforcement agency for a moving violation during the event will be automatically disqualified.

## **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.

### **Route Instructions**

The route instructions provided on the morning of the event 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 at a time-of-day restart location.

Complete the numbered route instructions (NRIs) in ascending numerical order at the indicated official mileage.

### **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.

### **Rally Roads**

A rally road is a public through road. Unless otherwise directed, a rally road may be paved or unpaved. 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 time-of-day restart as indicated in the route instructions (e.g., /0.00).

## **Speed Changes**

Speed changes that occur at an intersection are executed as you enter the intersection. Speed changes that occur at a sign are executed as you pass by and are even with the sign.

## **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), numbers or symbols 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.

**CZT** – 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.

**TRANSIT** – A part of the rally in which no controls are located and for which there is no stated average speed. Route instructions apply, but you may leave the route for rest or refueling stops.