

# SUMMER CHALLENGE RALLY

## AUGUST 1, 2020

### GENERAL INSTRUCTIONS

#### **RALLY PHILOSOPHY**

In SCR, the Regularity Sections (RS)(Timed Sections) are spread throughout the day. They will be from 5-15 miles long; there will be 6-9 Regularity Sections. At Regularity Start Controls (RSC) throughout the day, you will self-start at 1 minute intervals; you should start at your Due Time (which will be shown on your Time Card). You then proceed as normal; you will be penalized for every hundredth you arrive early or late at Hidden Controls; there may be multiple hidden controls throughout each Regularity.

From the end of a Regularity to the start of the next Regularity there are Transit Sections. In these Sections there are no prescribed speeds to maintain and there will be no set time for the Transit Section. Driving 5% below the speed limit you should get to the start of each Regularity 4-5 minutes before your Due Time – which is the time you should start each RS. Your Timecard will show your ideal Due time to start each RS.

The rally will generally follow the 2019 NER Road Rally Regulations (NER.ORG). We have condensed the RRR's and these 'Generals' should be all you need to follow the correct course.

#### **CLASSES:**

**Class A:** Any extra mechanical or electric odometer and/or mileage-driven calculation equipment.

**Class S:** Distance measuring equipment is limited to stock odometer(s) in the stock location(s) and/or GPS - odometer ONLY. Computation equipment must not receive a direct input from any distance measuring device. Distance information must be visually acquired from a distance measuring device and must be manually entered into calculating equipment (if any). You may use a GPS odometer, providing the GPS device does not allow you to input a speed that the device can use to continually calculate time.

No working GPS map program may be used – In Car or on Phone – Both Classes. Our feeling on a GPS MAP DISPLAY is that it is NOT in the spirit of road rallying in general. You may use GPS co-ordinates and GPS odometer, if it can be done without any other info.

#### **ROADS:**

For this rally, both paved and unpaved roads exist. You will always be told or shown in the Route Instructions when a road changes surface at an intersection; therefore, stay on the road surface you are on unless directed onto a road having a different surface. Note: A short paved 'apron' at the start of an unpaved road should be disregarded – the road should be considered unpaved if you can see the unpaved surface from the intersection. Roads may change from paved to unpaved, and vice versa without notation, if it is not at an intersection.

There will be no controls for 0.25 miles after any "Stop" sign or after an RSC.

Roads, such as those marked "dead end", "no outlet", "private", or those that are clearly a driveway, are not to be considered a road.

The State of Vermont allows passing on a solid line, as long as the road ahead is clear and that there isn't a sign noting that passing is not allowed. The unposted speed limit in Vermont is 50 MPH.

#### **TULIP SECTIONS:**

In these Sections, the route will be indicated by tulip drawings (a view from above). Mileages will be given to many, but not all, instructions. In the diagram you enter at the "dot" and leave at the 'arrow'; "X" indicates position of a sign. Solid lines indicate a paved road; dashed lines indicate unpaved; dotted lines indicate private roads.

## **WRITTEN INSTRUCTION SECTIONS:**

In these Sections follow the route using the written Instructions.

## **MAP SECTION:**

In this Section, you will start as normal at a Regularity Start Control and you must follow the indicated route as highlighted on the given map; failure to follow the route may result in a 10 point penalty. There will be no Average Speeds (CAS) specified. You will be given a time to arrive at the Regularity Control (RC) at the end of the Section; it will involve driving at approximately 10% below the speed limits. You must not stop in the last 0.1 mile before this Control. This will be the only Timing Control; you will be timed to the hundredth-minute (as normal). At the end of the Map Section, continue to follow the course with Tulip diagrams to the next RSC.

## **MILEAGES:**

Mileages will be taken at the sign, if there is one quoted in the NRI (but not in parentheses), at the beginning of all intersections or at the beginning of a long object (bridge). Every instruction which has a mileage (0.01 mile or 0.1 mile) must be executed at the given mileage, even if it seems redundant or contradictory. Mileages given to the tenth-mile (0.1) have been truncated (the hundredths chopped out). The mileage was taken from the right rear wheel of a MAZDA 3. The weather was warm. On all roads, the right side of the road was favored, with some slight 'shortcutting' only on sharp corners.

## **NUMBERED ROUTE INSTRUCTIONS (NRI'S):**

- Execute an NRI at the first opportunity that the Instruction (and Tulip if one exists) fits the road situation; go straight as possible if the active numbered route instruction does not apply.
- NRI's and mileages revert to zero at each TC and RSC.
- Pauses are given in hundredths of a minute, i.e. Pause 25 = Pause 15 seconds.
- The maximum distance between NRI's is 3.0 miles; if the interval mileage from the previous NRI exceeds 3.0 mi, an indication will be made in the NRI. Normally don't go further than 3 miles without starting the next instruction – This does NOT apply to the Map portions.

## **SIGNS:**

Wording within quotation marks refers to exact major wording (not necessarily all wording) on a sign. Most signs are highway dep't signs - all are located within 50 ft of the road, unless noted, and easily visible. "Speed Limit XX" (or "XX") refers to a black on white only sign; a speed limit sign on a yellow background doesn't exist for use in this rally.

## **GLOSSARY:**

NRI:	A numbered route instruction.
At:	In the vicinity of
BFZ:	Begin Free Zone; A Free Zone means no controls in that zone.
EFZ:	End Free Zone
BTZ:	Begin Transit Zone. Fixed travel time with no timing controls.
ETZ:	End Transit Zone.
Follow:	As in: "Follow XXX Road or Route" or "Follow main road". This means to follow the route number/name as determined by Road name or Route number signs; or follow the main road by following the painted lines on the paved road; following curve arrow signs indicating the main road; or following the main road by not using side roads that have STOP or YIELD signs on them - until an NRI causes you to leave it.
crossroad:	An intersection of 2 roads that generally forms a cross.
( ...):	Information contained within parentheses in NRI's is extra, helpful information and is not necessary for proper completion of the rally route.
Keep:	A slight deviation off the straight ahead (10-30 degrees).
T:	An intersection of roads that form the letter T, as approached up the stem; the turn to the right or left is close to 90 degrees.
QZ:	Quiet Zone. Be slow and quiet. No controls within 1/4 mile.
! :	Care
] [ :	Bridge or Narrow road.

**CONTROLS and TIMECARDS:**

Each crew will be issued a Timecard at the start showing the Due Times at the TC's and RSC's.

TIME CONTROLS (TC's): These are manned controls identified in the Route Instructions where competitors must stop. The time recorded will be the time at which the competitor's vehicle and crew arrives at the Control Point; they are timed to the whole minute. Due Times in minutes are shown on the Timecard; they will be to the previous full minute of a cars' arrival (i.e. if you arrive at 11:44:07 seconds or 11:44:56 seconds, your time will be recorded as 11:44. These will be used at the start, the rest break and the finish.

REGULARITY START CONTROLS (RSC's): These are unmanned controls identified in the Route Instructions at the start of all Regularities. Competitors will self-start at the 'top' of their DUE minute. In practice, just before the start of a Regularity, you should stop safely out of the line of traffic and get prepared. When you are ready you should pull up to the starting point indicated in the Route Instructions; re-zero your odometer; and leave at the top of 'your' minute. Then proceed following the numbered route instructions (NRIs) and assigned speeds.

HIDDEN REGULARITY CONTROLS (RC's): During Regularities, there will be mostly unmanned hidden timing controls (RC's) timed to the hundredth; there will be no sign - timing at most locations will be done by the EZ Trak System via GPS. Timing will be continuous from the start to the end of the each Regularity; a competitor early or late at one control in a Regularity must still be on time at the next control in that Regularity to avoid penalty (also see Time Allowances below). Do NOT stop at any manned or unmanned Regularity Controls.

**TIME ALLOWANCES (TA'S):**

If you are delayed at any point in a Regularity for any reason (lost, flat tire, a slow driving local, helping a competitor, etc.) you should take a time allowance (TA). *Hint: If (when) you encounter a slow local ahead of you – stop for a half-minute or a minute and a half and restart yourself - TAKE A TA.* There is no penalty for using time allowances on this rally. Consider or calculate the amount of time that you are late in increments of whole minutes, starting with 0.5 minutes, (i.e. 0.5, 1.5, 2.5, etc) and rally-on continuing to use the speeds specified in the NRIs. If you have a second delay in that Regularity Section and a second TA is required, the second TA should be an additional whole number of minutes (so that the total of the TA's is on the half minute and you are running between two other rally cars on the road). (see Timecard example on web site)

The maximum total of minutes of time allowances you may take between TC's is 19.50 minutes. The time allowance info should be filled in on your Timecard and must include the mileage where the TA was taken. At the next RSC, you may 'catch-up' all the time you 'lost' with the TA and restart at your Due Time; or you may 'keep' all or some of your TA lateness until the next TC. If you start after your Due Time at any RSC, you must record your lateness as a new TA amount being taken at mileage 0.0. (see Timecard example on web site). At TC1 and TC3 OUT – you must start at your Due Time.

**SCORING: Penalties:**

- Each hundredth late or early at a Hidden Control. 1 point
  - Each minute early or late at a TC 10 points
  - Max timing penalty 200 points
  - Max timing penalty at the difficult non-GPS control (my decision which one 😊) 50 points
- A COMPETITORS' WORST SCORE AT ANY GPS RC WILL BE REMOVED FROM THEIR FINAL SCORE.

**REGISTRATION AND TECH**

See the form on the web site – fill out and bring to the start to receive your paperwork.

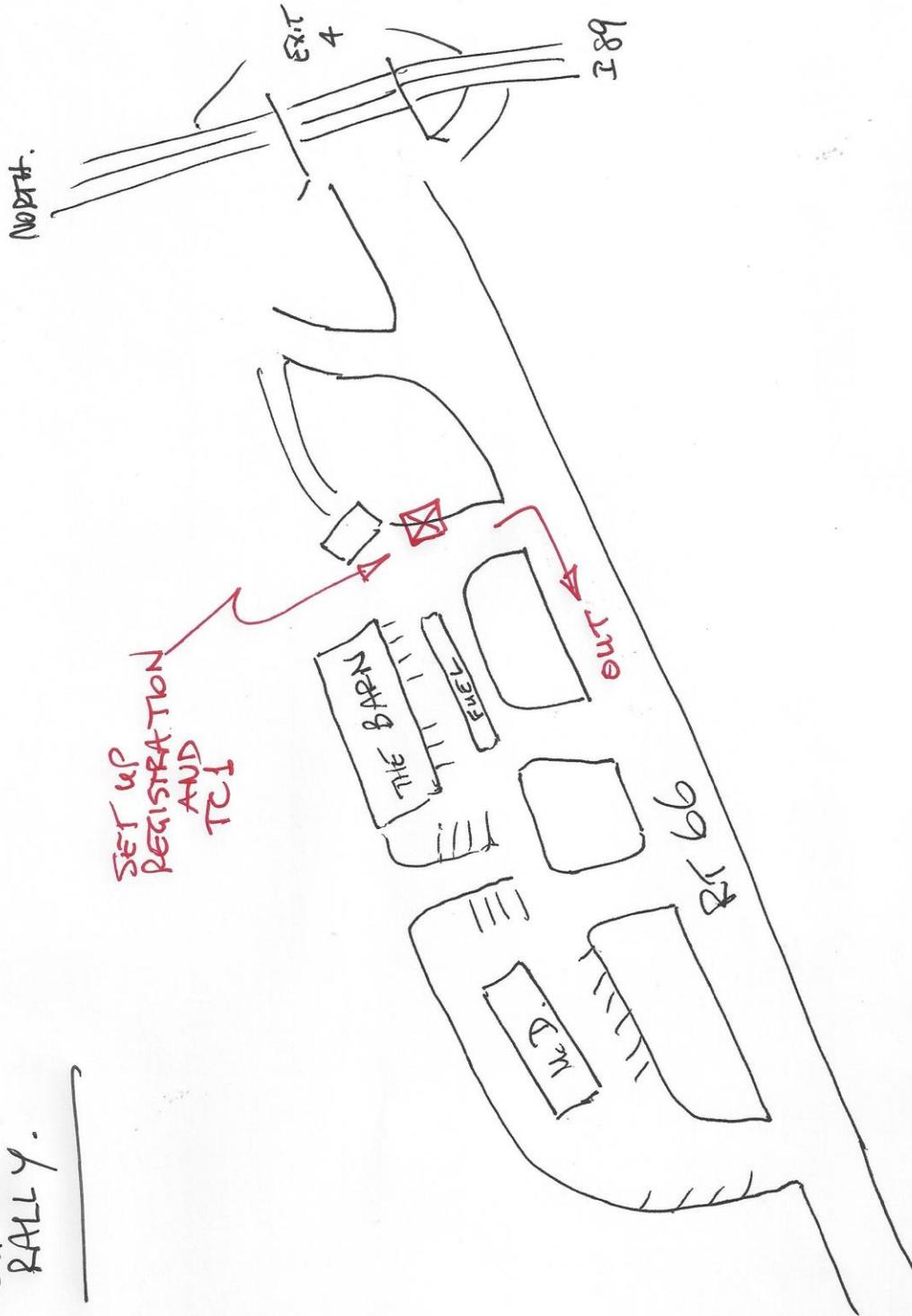
**Official time can be found on [www.time.gov](http://www.time.gov).**

**TIME SCHEDULE:**

- 8:45-9:45 am Pick up: EZ Trak box, Timecard, Route Instructions, Entry list, Driver's Bulletin
- 10 am + Hand in Tech Form – Sign Waiver - McD or vicinity, Randolph, Exit 4 I 89
- 10 am + Start – McD
- Noonish Rest Break – New Haven Jct, VT
- 5 pm + Finish at I89, Exit 5 (just north of Randolph)

START  
LOCATION

SUMMER  
CHALLENGE  
RALLY.



RANDOLPH AREA