

**Supplemental Instructions**

This is a 185 mile road rally on paved and unpaved roads through Erie, Wyoming, Cattaraugus and Allegany counties. In keeping with the Winter Rally Series format, this is an evening TSD rally run at speeds within the local speed limits.

- Snow tires are recommended (all season tires may limit your speed group eligibility)
- Tow rope/strap, and 90 minutes of flares or one DOT triangle are required to compete
- Rally start: Mighty Taco Restaurant, 123 Grey Street, East Aurora, NY 14052
- \$45/car plus \$15 for each non-SCCA member in the car
- Equipped, Limited, Stock and Novice classes
- Instead of using open (manned) controls as is normal for the FLR Winter Rally Series, this event will use the Richta GPS Checkpoint system for timing and scoring.

**Schedule**

|                              |  |
|------------------------------|--|
| Check-in and Tech Inspection | 2:30 – 3:30 PM   |
| Driver’s Meeting             | 3:40 PM  |
| First car off                | 4:01 PM  |
| First car finish             | approx. 10:00 PM (Wallenwein’s Hotel, 641 Oakwood Avenue, East Aurora) |

**Rallymasters:** Karl Mayer 716-432-3488 [karlwmayer432@gmail.com](mailto:karlwmayer432@gmail.com)  
Tom Mayer 716-725-1318

**Sweep:** Rich Smith 585-703-0631

**Richta GPS Checkpoint System**

You must have a smartphone to compete in this rally. Download the Richta Competitor app (detailed instructions to follow). A few moments after you pass each control point, the app will make a “ringy-dingy” sound. (NOTE: You can set the audible alert to “ringy-dingy” sound or voice alert using the sound check button.) At timing control points, the app will record your time of arrival, compute an interim score, and display these to you on your phone. As you pull up to the start of each regularity (timed) section at a CZT (car zero time), the phone will “ringy-dingy” and your correct time to restart from the indicated sign or landmark will be shown on your phone.

**Loading the Richta Competitor app on an Android smartphone**

You need to be running Android version 5.0 or above on your phone. To check this, go to Settings/About phone and scroll down to see the Android version. Go to the Google Play Store on your phone and search for “Richta – Competitor Richta GPS Checkpoints”. Download this app to your phone by hitting INSTALL. Make sure Roaming Data is turned on in your phone: Go to ‘Settings’; ‘Network and Internet’; ‘SIMS’; then scroll to check that Data Roaming is on. Now OPEN the app. You should get a message saying “App requires location permission”. Hit: “While using the app”. On the next screen, ALLOW access to photos, media, files, etc. (app won’t work without that). On the next screen hit I ACCEPT about the Privacy Policy. You will then see a list of events; scroll down to “Test My Competitor GPS”. Select the event, enter the event password (“test”) and hit

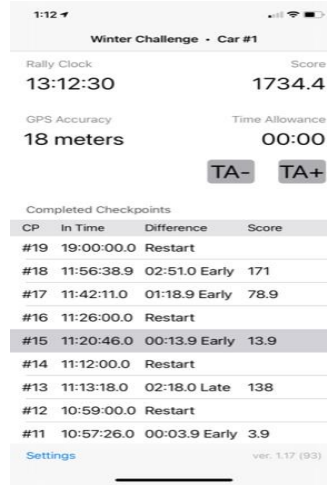
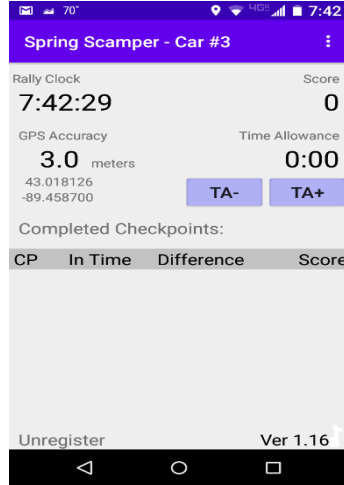
CHECK PASSWORD. In the next screen, enter a random car number from 1-99 {if the number you picked is already registered, simply choose another number until you succeed}. Leave Password blank and then press SAVE. Skip entering class, email, names and phone number and then press ADD. You should see a screen that looks similar to the Android example on the left below (except for the Version #). **Confirm in the lower right corner that you have version 1.23.** The clock should be running, along with GPS accuracy. Once everything is confirmed, press Unregister in the lower left corner and then confirm. That will return you to the list of events. Registering your phone for the Competitor app for the Mayer May Not Be Slippy rally will take place at check-in on the day of the event as described further below.

### **Loading the Richta Competitor app on an Apple smartphone**

Go to the Apple App Store and search for "Richta - Competitor Richta GPS Checkpoints". Download the app. There is no cost to you for this app. On your phone, under SETTINGS, go to: CELLULAR. Make sure it's 'ON' and that 'Data Roaming' is 'ON'. Now go back in SETTINGS and go to PRIVACY. Make sure Location Services is 'ON'; also scroll down and make sure under the COMPETITOR app, it's 'ON' or 'While Using'. Now go back to the app. You will see a list of events; scroll down to "Test My Competitor GPS". Select the event, enter the event password ("test") and hit CONTINUE. Enter a random car number from 1 to 99 {if the number you picked is already registered, simply choose another number until you succeed}. Leave Password blank and hit CONTINUE. Skip entering class, email, names and phone number and then press SUBMIT INFO. You should see a screen similar to the Apple example on the right below (except for the Version # and with no completed checkpoints showing). **Confirm in the lower right corner that you have version 1.23.** The clock should be running, along with GPS accuracy. Once everything is confirmed, go to Settings in the lower left corner, choose "Unregister Device" and click "Unregister". That will return you to the list of events. Registering your phone for the Competitor app for the Mayer May Not Be Slippy rally will take place at check-in on the day of the event as described further below.

### **General Information about using the Richta Competitor app on your phone**

- 1.** You cannot run any other apps on your smartphone during the rally. Use the RICHTA phone for just that one purpose. Do not accept a phone call. If you are planning to use another app during the rally or make a phone call, you should do that on a different device.
- 2.** MOUNT YOUR RICHTA PHONE SO THAT YOU CAN SEE IT. You want to keep an eye on your phone screen as it will show you scores at Controls, TA's and RESTART times – it must stay running. If your phone reverts to its home screen, then the Richta app cannot sense your arrival at a checkpoint. If the app should happen to crash during the rally, simply pull off the road in a safe location, "choose" the event again, take a TA and then continue to rally. The app will remember all your arrival times and scores and will simply pick up where it left off. Just be sure that you don't pass a checkpoint or a restart point while the app is not running.
- 3.** This app uses a large amount of battery power due to its use of GPS. You should plan to have your smartphone connected to a power supply during the rally.
- 4.** Four hints:
  - a. Take your phone out of its case;
  - b. Don't mount it in front of a heater duct;
  - c. Stay at least 100 yards from a timing CP to not get 'timed in' prematurely
  - d. Don't 'creep' across the timing line. You'll be scored even earlier.
- 5.** Your phone will NOT need to have cell phone service during the rally for this app to work.
- 6.** The view on the right below is of an iPhone with CP's 11-19 shown (CP's 1-10 are hidden out of the picture). The view on the left is an Android phone.



## Helpful Information

BFZ/EFZ: Begin Free Zone/End Free Zone – no checkpoints between these instructions

BTZ/ETZ: Begin Transit Zone/End Transit Zone – take the indicated time to go the indicated distance between these instructions (no CAS or time calculations required), it is also a free zone

CAS: Change Average Speed

CAUTION: Cautions are marked with "!" in the comments. These indicate the following:

! – More caution than normal required here (Ignoring may cause car damage)

!! – Great caution required (Ignoring is likely to cause car damage)

!!! – Extremely dangerous turn / area (Ignoring may result in injury)

CR: County Route

CZT: Car Zero Time (aka restart time)

Deceptive: Easy to misread the road at this location, use extra caution

Don't Cut: Do not cut the inside of this corner

Don't Go Wide: Dangerous hazard if you go off the road on the outside of this turn

ESS: Road curves in the shape of the letter "S", usually a black on yellow curve arrow sign

LHS: Left Hand Side

MTS: Mileage To Sign

NRI: Numbered Route Instruction

OMP: Official Mileage Point

RHS: Right Hand Side

Slippy: Road and/or turn may be slippery

TA: Time Allowance

Mileages were done in a 2011 Subaru Impreza in a continuous run using a transmission Hall Effect sensor on rear drive shaft going to both rear wheels. Tires at 32 psi cold. Mileages were taken to 0.001 miles and truncated for the route instructions. Speed changes, checkpoint locations, OMP and calculations use all digits.

Mileages are at the STOP or YIELD for an intersection when present, otherwise to the midpoint of an intersection. For curves or corners, the mileage is to the apex of the turn. For a Y, the mileage is taken where the road splits. If there might be some ambiguity, there is clarification in the instruction.

Names for roads you turn onto or pass by are provided as a courtesy. The mileage and tulip diagram take precedence. Some may be hard to see.

Words in Quotes (“ ”) appear on a sign that is referenced in the instruction.

There will be Regularity Start Controls (CZT), Timing Controls, and a Time Check Control. The control points (CPs) are numbered in order from the start of the event. There is at least 0.3 miles between CPs. The route instructions will inform you of the number of timing controls in each regularity section. There will be a maximum of three (3) timing controls in any regularity section. Calculated times have been computed to the thousandth second. In-times will be recorded to the tenth second. Scores will be truncated to the whole second.

Regularity Start Controls (CZTs) are unmanned controls identified in the route instructions at the start of each regularity section. No scoring or penalties accrue at these controls. Competitors self-start at the top of their minute (their restart time). If unable to start at this time, take a time allowance as detailed below. In the last 30 or so feet as you pull up to every CZT, your phone should make the ringy dingy sound and display your restart time. At the restart location, re-zero your odometer and pull ahead out of the way. The time for official calculations will be the restart time shown on your phone, plus any TA you enter, not the time you leave the start location. In practice, before the start of each regularity section, you should have 4-5 minutes to stop and relax.

Timing Controls are unmanned controls identified in the route instructions within each regularity section. These timing controls are used for scoring. A few moments after you pass each timing control, your phone will make the ringy dingy sound. Look at your phone and see the CP#, In Time, Difference, and Score for that checkpoint. Timing at each control is from the previous restart, not from the previous timing control. If early at a timing control, you may stop after you pass the control, wait an appropriate amount of time until you are on time, then proceed. DO NOT stop right at the checkpoint. Pull ahead out of the way of following competitors. It's a Free Zone for at least the next 0.3 miles. If late at a timing control, you may enter an appropriate TA as detailed below, to put you back on time.

The locations of all CZTs and Timing Controls are identified in the Route Instructions by a landmark. In the backwoods and/or at night, some may be hard to see. Therefore, CZT landmarks other than start location and break location will be marked with pink flagging tape. CZT locations will also include GPS coordinates in the route instructions. Each Timing Control will either be marked by a standard checkpoint sign on the right-hand side of the road or identified only by its landmark as noted in the Route Instructions. Photos of the relevant landmarks are included to aid in identification.

There is one Time Check control in the initial transit to the odometer check. As you pass the indicated sign, the app will show you your time of passage. If you split your clock at that point, you'll be able to see how your clock compares to the Richta clock that will time you at the CPs. There is no score associated with a Time Check control.

There are no controls:

- Within 0.3 miles after any CAS
- Within 0.3 miles after any CP (including restart CZTs)
- Within 0.3 miles of a “STOP” or “YIELD” sign
- During any FZ (Free Zone)
- While in the process of doing a PAUSE

If you tap your phone on a Timing Control checkpoint that you have just passed, you will get a timing critique slip. This may show more info such as precise mileage to the checkpoint.

Once you pass all specified timing controls in any regularity section (a max of 3 in any regularity section) you may proceed immediately to the next CZT. You can go at your own speeds. Of course, you must remain within legal speed limits.

As you pull up to the start of each regularity section (at a CZT), your correct time to restart from the indicated landmark will be shown on your phone.

If you are delayed at any point in a regularity section for any reason, (lost, flat tire, slow driving local, helping a competitor, etc.) you should take a time allowance (TA). There is no penalty for taking a time allowance. You submit a time allowance directly in the Richta app by pressing the TA+ button to add time. If you enter too much time, use the TA- button to subtract time. Even if you are not sure of the time delay you have, take a guess at one and enter it in your phone

The Competitor app will allow you to enter TAs of (MM:SS) 0:10, 0:20, 0:30, 1:30, 2:30, 3:30 and every subsequent minute on the half minute up to 29:30. TAs of 0:10 and 0:20 are not allowed. If you mistakenly or purposefully select a 0:10 TA or 0:20 TA your score will be manually adjusted to 0:00 TA for a 0:10 TA and to 0:30 TA for a 0:20 TA.

If you entered a TA at one point in a regularity section, and you have another issue later in the same regularity section, you can increase the TA at that time. The increased TA only applies going forward.

The Richta app will automatically reset your TA to zero at each regularity section start control (CZT). You must therefore re-enter your TA (if needed) at every CZT. If you are late to a CZT, you can put in a TA that when added to your designated restart time will be the current time of day and thus you are “on time” and off you go.

As you pull up to a CZT and get the ringy-dingy sound, stop at the designated landmark briefly to zero your odometer, but do not wait there until your restart time. Pull ahead a bit and pull over to wait. Do not wait right at the landmark as that could prevent another competitor from approaching to be checked in.

If you wish to drop to the next lower speed group during the rally, you must send a text message to the rallymaster (716-432-3488) indicating your desire to change. This can only be done at a CZT restart checkpoint. Include a screen shot showing the CZT restart checkpoint that you have just checked into. The lower speed group will apply to subsequent checkpoints.

If you decide you are not going to finish the event or not going to return to Wallenwein’s Hotel after finishing, let the Rallymaster or sweep vehicle know. Otherwise, we will be out looking for you.

### **Registering your phone at the time of the event**

### You must register for the event on your phone during check-in at Mighty Taco

1. If you registered your phone for this event or another event previously and the event is still active on your phone, you must un-register. With Android, hit and hold the “unregister” wording in the lower left. With iPhone, hit settings in the lower left and then “unregister device” (on two different screens).
2. Choose the appropriate rally to enter based on your speed group.
  - a. Speed group A select “Mayer May Not Be Slippy A”
  - b. Speed group B select “Mayer May Not Be Slippy B”
  - c. Speed group C select “Mayer May Not Be Slippy C”
  - d. Speed group D select “Mayer May Not Be Slippy D” (Only used for emergency speeds)
3. Enter the password “FLR2023” and hit continue.
4. Enter your assigned car number.
5. Enter your own personal password if you wish. (Password is optional, to prevent another competitor from registering with your car number. If you choose to use a password make sure you write it down.)
6. Enter your class as follows:
  - a. Equipped class enter “E”
  - b. Limited class enter “L”
  - c. Stock class enter “S”
  - d. Novice class enter “N”
7. Enter your email, your phone number, and the last names of the driver and co-driver (with a / between the names).
8. Hit “Submit Info”.
9. This brings you to the screen you will see during the event. The time should be running, and the GPS accuracy should be shown.
10. Walk outside the door of Mighty Taco and approach the parking lot. Your phone should “ringy-dingy” and show “CP1”, “In Time”, and “Restart”, which is your time to start the rally. If it does, you’re set to go. If it doesn’t, see the rallymaster.

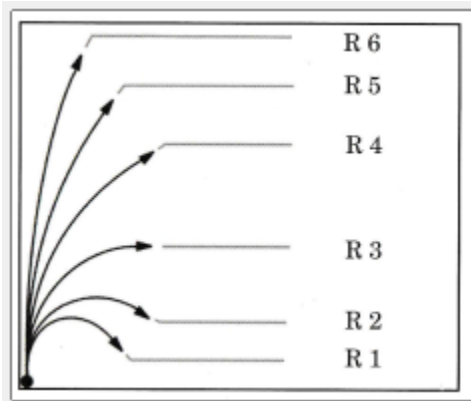
### **Timing and Scoring**

Timing in the FLR Winter Rally Series is normally done by the hundredth of a minute (also known as “cents”) as this simplifies time calculations. However, Richta timing is in minutes and seconds, therefore timing for this rally is in minutes and seconds. Scoring is one point per second early or late at a control. Maximum score at each control is 2 minutes or 120 points. Standard speed factors will apply.

### **Curve Descriptions**

In some instructions, in addition to the tulip diagram, curve direction and severity is described in brackets, for example [Right 3]. These curve descriptions are based on notes commonly used in stage rallies. The direction of the curve, right or left, is self-explanatory. The severity (or tightness or radius) of the curve is assigned a number from one (1) to six (6). The lower the number, the tighter the curve, and the slower the speed at which the curve can be taken safely. The diagram below indicates the relative severity of bends to the right. Bends to the left are the mirror image of this diagram. Curve descriptions may be further modified by the addition of a plus (+) or minus (-) sign. A [Right 4+] is slightly less tight than a [Right 4]. A [Right 4-] is slightly tighter than a [Right 4]. Note that the length of the arc shown in the diagram is used only to clarify the different curve severities, not to

indicate the duration of the curve. Curves may also be described as long or very long to indicate the duration of the curve and may also be described as down or downhill. Any additional descriptors should be obvious.



These curve descriptions are included strictly for the fun of those who are familiar with or interested in this concept. In stage rally, the team gets to perform a reconnaissance (i.e. recce, pronounced wreck-ee) of the route to confirm the accuracy and completeness of the curve descriptions and edit as they see fit. This road rally takes place on public roads with two-way traffic, and with no recce. Do not rely on the curve descriptions to determine your cornering speed. Drivers should always determine reasonable and prudent cornering speeds based on current road conditions, using what they see and the warning signs along the road as the most important information.

### **Scoreboard App**

You may wish to install the “Scoreboard – Richta GPS Checkpoints” app on your phone. This app allows organizers, contestants, and interested third parties to track the rally in real time. Each contestant’s total score and number of completed checkpoints is shown. Tapping a contestant’s score will show a pop-up with leg-by-leg scores. Available from the Google Play store or the Apple App store.