



Richta GPS Checkpoints Update and Ten Tips for Success

June 20, 2024

Draft 6



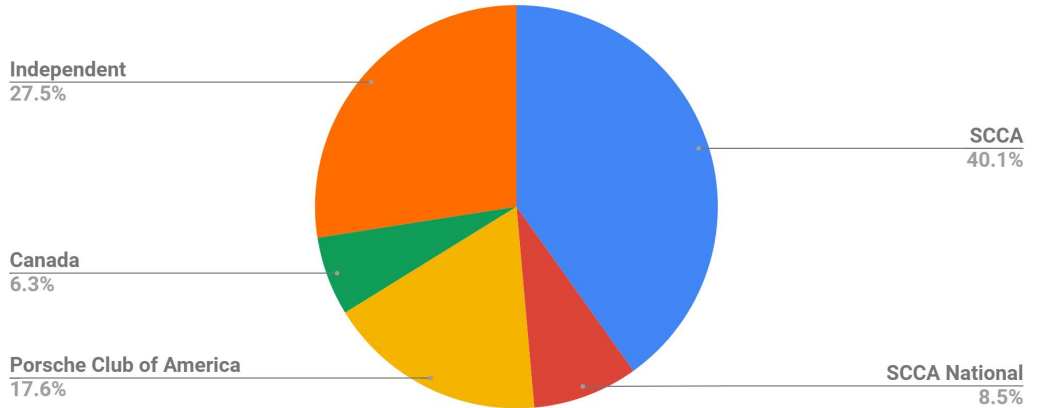
Agenda

- Final charts are posted on richtarally.com:
 - <https://richtarally.com/assets/documentation/Ten%20Tips%20for%20Success.pdf>
- 2023 Usage Statistics and News
- Recent app enhancements
- Ten Tips for Success
- Time Allowances
- Edit Timeslips
- Works in Progress
- Demonstrations

2023 App Use

- 140 Events in 2023
(Up from 118 in 2022)
- Increased interest from
 - British Classic Car Clubs
 - Western Canada (WCRA)
 - Australia, Netherlands, Mexico
 - Rallye Glenwood Springs in 2024

Richta 2023 Use - Number of Events



News

- 500th Event Scored with Richta GPS Checkpoints!
 - St Louis Rally School #2
 - Totals: 7,700 entrants, 20,000 CPs, 345,000 timeslips

- Documentation Update
 - Jay Johannes' Guides for Rallymaster and Competitor
 - <https://richtarally.com/apps/docs.html>

- Rallymaster (Android) 1.39 Updated
 - Fixes Alaska Time Zone Bug
 - Behind-the-Scenes article published in Road Rally eNews

App Enhancements 2022 and 2023

- Rallymaster
 - Directionally Sensitive Checkpoints (DSCP)
 - Export locations (into Google Maps)
 - Cars screen shows readiness for GPS, data
 - Minor bug corrections
- Scoreboard
 - Honors “Show in Scoreboard” setting
- Competitor
 - Minor bug corrections
 - Fix annoying sound on TA button press
 - Add voice option to announce scores
 - Enhanced logging
 - Remove Unregister from main screen
- Facebook Group
 - Richta GPS Checkpoints (private group)
 - Posting “Hot Topics”

Ten Tips for Success

1. Majority of calls for assistance did not follow recommended “Best Practices”
 - Best practices are a set of recommendations that, when followed, are known to produce good results.
 - Current set:
<https://richtarally.com/assets/documentation/Best%20Practices%20and%20Handling%20Unusual%20Situations.pdf>
2. #5 Understand or resolve all warnings and error messages
3. #6 Run precheck with Competitor active to ensure intended CP detection (and non-detection).
4. #9 Match CP count in Event Settings with actual number of CPs. A mismatch will prevent cars from showing as “Ready” in Rallymaster Cars screen.

Ten Tips for Success

5. #13 Set a goal to score rapidly
 - Dedicated and trained scoring team able to drop leg, rescore leg due to calc error, adjust scores
 - Determine how you are going to do scoring and share results
6. Event not showing in Competitor - Event Setting “Event is Open”
7. Event not showing in Scoreboard - Event Setting “Show in Scoreboard” (or Share Timeslips)
8. Map not showing in Scoreboard - Event Setting “Hide Map”
9. Unnecessary use of CP open and close times
 - Optional, use only if route doubles back or reuses same road
 - Directionally Sensitive CP provides another, preferred option
10. Interference from other apps
 - Still occasionally causes CP detection to be missed. This interference can come from any app that does work in the background (when not visible on the screen). Recommendation: Android: Press Recent Apps button (square?), Close All. Apple: Double tap button, flick all apps off screen to close them.

Time Allowance Increments - Add'l Option

- Current increments match historical practices. :10, :20, :30, 1:30, 2:30, ... up to max in Event Settings
- :10 and :20 added at Detroit Region request to handle balking by local traffic
- Does not meet requirements for some snow rallies where maintaining the CAST can be a challenge. Taking a :10 or :20 time allowance is considered unsporting.
- Only allows 1 TA slot in each minute resulting in cascading TAs being taken.

Solution:

- New TA Increment Event Setting: :10, :20, :30, 1:30, 2:30, ... OR :15, :30, :45, 1:15, 1:30, ...
- “HALVES” and “QUARTERS”
- Minimum TA setting solves sporting issue for winter rallies (Max_TA setting already exists)
- Provides 3 TA windows per minute, up to allowable maximum TA
- Available in July 2024 releases of Competitor and Rallymaster

Edit Timeslips

- Technology Preview (Android Rallymaster only)
- Original scoring approach: export spreadsheet with leg scores and local formatting and customization
- More events are relying on Scoreboard only. Generates need to adjust timeslips
- Recent change in 1.38 to allow score override
- Allows inclusion of non Richta scores, like staffed CPs, into database and Scoreboard

Enhancements in Progress

- Score Validation / Investigation
 - (This is where I spend time after events)
 - Use during and post event to check for situations which may need intervention from scoring team
 - Missed Timed CPs, Missed Restart CPs, ...
 - Quick Overview and Detail Issue List with recommendations for correcting

- My Vision: Next Generation Scoreboard
 - Event scoreboard with: sorted results, leg-by-leg scores, Early/Late and TA-taken shown, nicely formatted
 - Similar to RASC and So Indiana post-processors but with connection to database (updates in real time)
 - Access from web browser on laptop, connect to TV at restaurant

- Restrict Registrations to Allowable Classes
 - “E,S,G,L”, for example
 - Avoid situations such as “Novice, NOV, Nov, N,” being used for the same novice class

Demonstrations

Questions?