

TIMES
WOMEN'S
DRIVE

TIME SPEED DISTANCE

An Introduction to TSD Rally



T TIME

S SPEED

D DISTANCE



FUNDAMENTALS OF THE TSD FORMAT RALLY

- It is the computation of your time or speed or both with the distance you travel.
- The judges are known as Marshals and they are respected Volunteers.
 - They are placed on the rally route but their positions are unknown to you.
 - You have to travel on a specific route given by us in given direction with the given speed or given time for specific distance.
 - We have placed CONTROLS along the route with Marshals where you MUST stop. These Controls are of three types and they will be identified by specific signs.

Request to use email id twdbangalore@iarcindia.com for any queries from participants or any communication to COC during the event.

Important Phone Numbers will also be mentioned on the First Page of the Tulip.



ABC's of TSD Rallying

- Based on Time (T) = Distance (D) / Speed (S)
- Team: Driver & Navigator/ Co-driver
- Road Book
- Speed Chart
- Time: Start Time, Restart Time etc
- Time Control
- Penalties



AIM: BE ON TIME ALL THE TIME

WHAT YOU NEED

- 1. Motorable vehicle - 4 Wheeler.
- 2. Valid RC/TC Books of same vehicle.
- 3. Valid Insurance policy.
- 4. Driving License of the Driver.
- 5. Special Rally Insurance (will be issued by the same branch where your vehicle is insured).
- 6. Special Rally Participation License (Issued by us on actual cost basis).
- 7. Passport size photograph of each crewmember.
- 8. Vehicle shall have PUC certificate & all original lights of vehicle shall be in working condition.
- 9. Front Seat belts for 4 Wheeler.
- 10. Pen, Calculator and Digital watch.

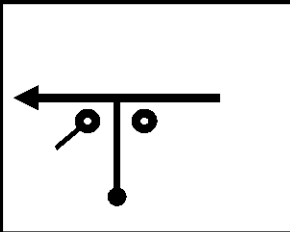
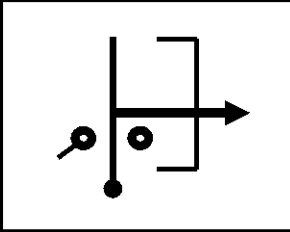
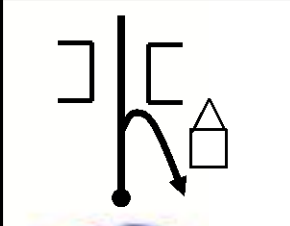



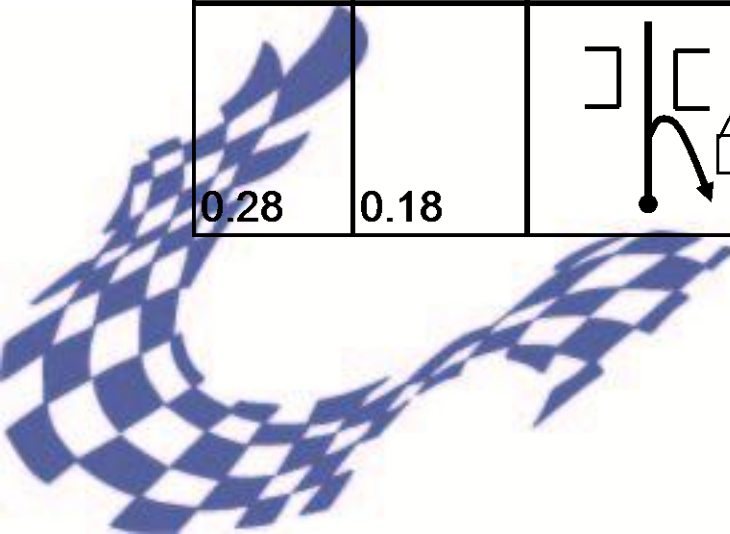
Road Book

ALWAYS STAY ON ROUTE, NEVER
LOSE YOUR WAY!



Road Book

| ODO Reading | Part Reading | Direction | | Information | Speed KMPH |
|-------------|--------------|--|-------------------------------|---|---------------|
| 0.00 | |  | Zero ODO at the gate | | 20 |
| 0.10 | 0.10 |  | Traffic Light | | |
| 0.28 | 0.18 |  | Take U Turn Gopalan Arcade |  Gopalan Arcade | 15 |



Road Book

- Set of instructions to help you navigate the rally route
- Road Book comprises of:
 - Odometer reading since the start of rally (Total distance)
 - Odometer reading since the last instruction (Part distance)
 - Schematic giving you driving directions: go left, right etc
 - Additional information to aid navigation, may be provided: condition of road, caution signs
 - Speed: Speed prescribed over a distance that competitors need to maintain

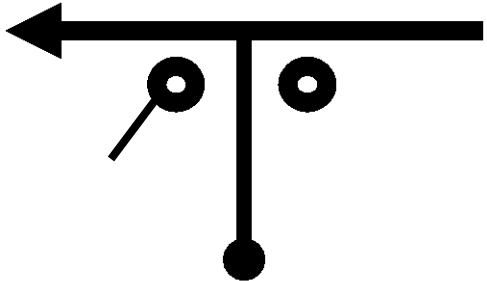


Road Book Schematic

- Schematics are self explanatory
- Ball and Arrow arrangement, where ball depicts your current position and arrow shows the direction to take
- Ball is ALWAYS at bottom of schematic

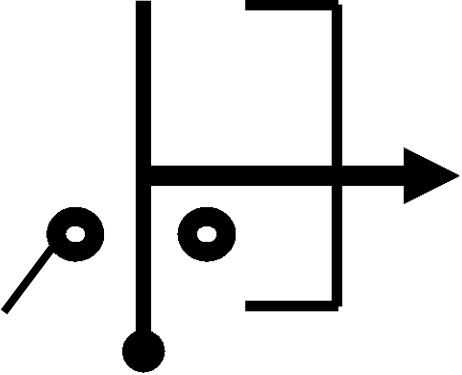


Road Book Instructions - Sample

| | | |
|------|--|---|
| 0.00 | |  |
|------|--|---|

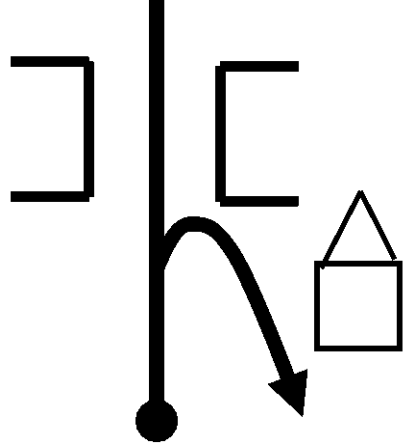


Road Book Instructions - Sample

| | | |
|------|------|---|
| 0.10 | 0.10 |  |
|------|------|---|

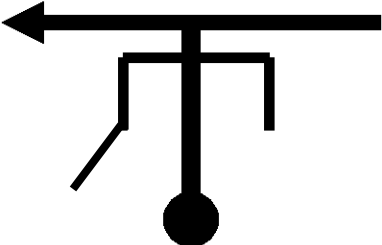


Road Book Instructions - Sample

| | | |
|------|------|---|
| 0.28 | 0.18 |  |
|------|------|---|

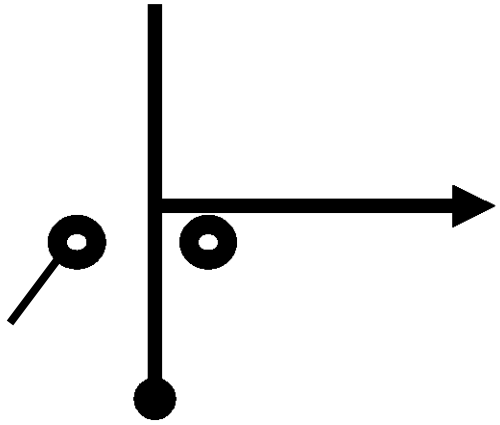


Road Book Instructions - Sample

| | | |
|------|------|---|
| 0.40 | 0.12 |  |
|------|------|---|

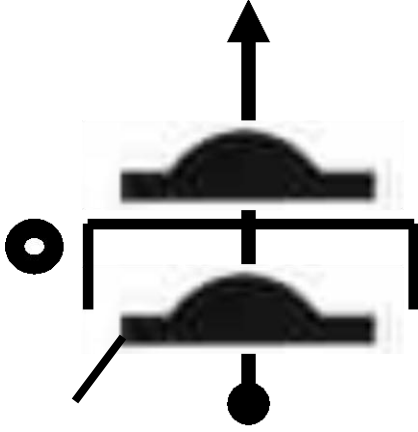


Road Book Instructions - Sample

| | | |
|------|------|--|
| 1.00 | 0.60 |  <p>The diagram shows a road intersection. A vertical road runs from the top to the bottom. A horizontal road branches off to the right from the vertical road. An arrow on the horizontal road points to the right. There are four circular markers: one on the left side of the vertical road, one on the right side of the vertical road, one at the bottom of the vertical road, and one on the left side of the horizontal road.</p> |
|------|------|--|

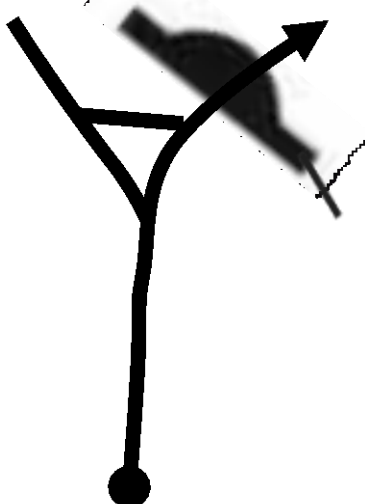


Road Book Instructions - Sample

| | | |
|------|------|---|
| 1.10 | 0.10 |  |
|------|------|---|

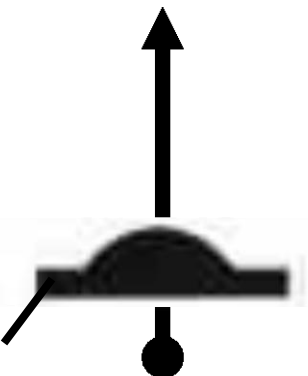


Road Book Instructions - Sample

| | | |
|------|------|---|
| 1.48 | 0.38 |  |
|------|------|---|

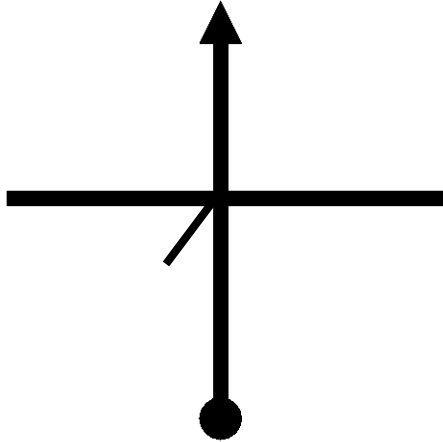


Road Book Instructions - Sample

| | | |
|------|------|---|
| 1.73 | 0.25 |  |
|------|------|---|



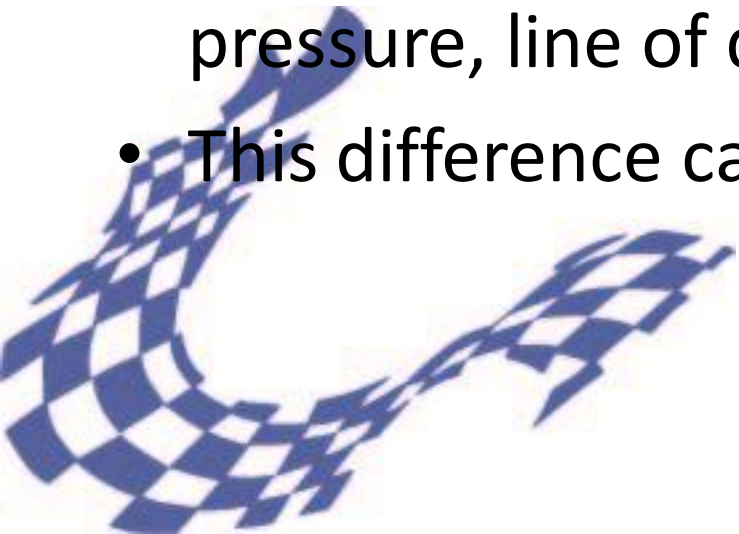
Road Book Instructions - Sample

| | | |
|------|------|---|
| 2.46 | 0.13 |  |
|------|------|---|



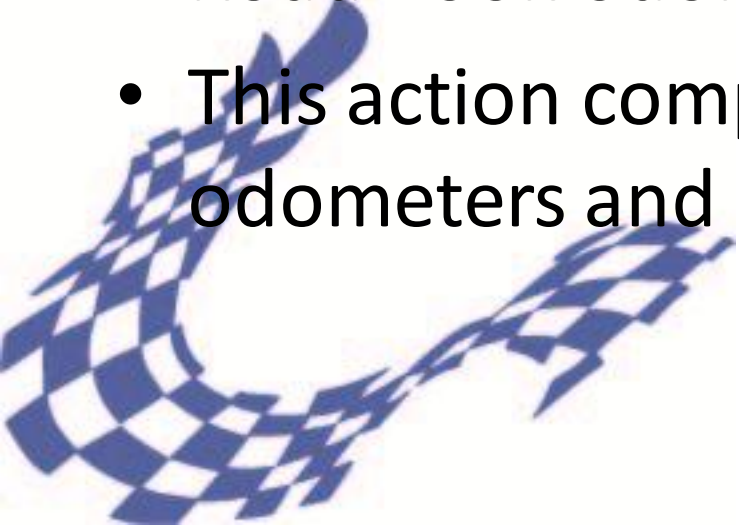
Odometer

- At start of rally, zero the trip meter as per Road Book instruction
- Car odometer and road book odometer does not always match
- Difference in car odometer and road book odometer occurs due to: size of tyres, air pressure, line of driving etc
- This difference can lead to you losing your way



How to Stay on Route

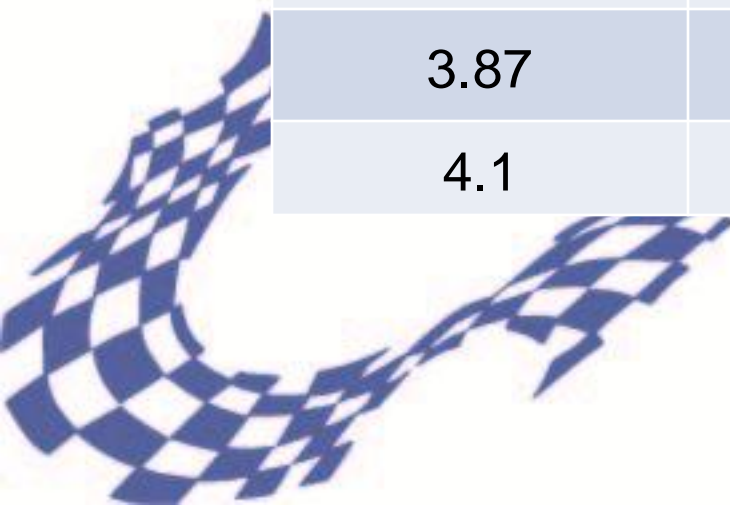
- At every instruction note down the car odometer reading
- Compare this with the Road Book odometer, note down the difference
- At next instruction, add or subtract from the Road Book odometer as the case may be
- This action compensates the difference in odometers and helps you stay on course



Speed Chart

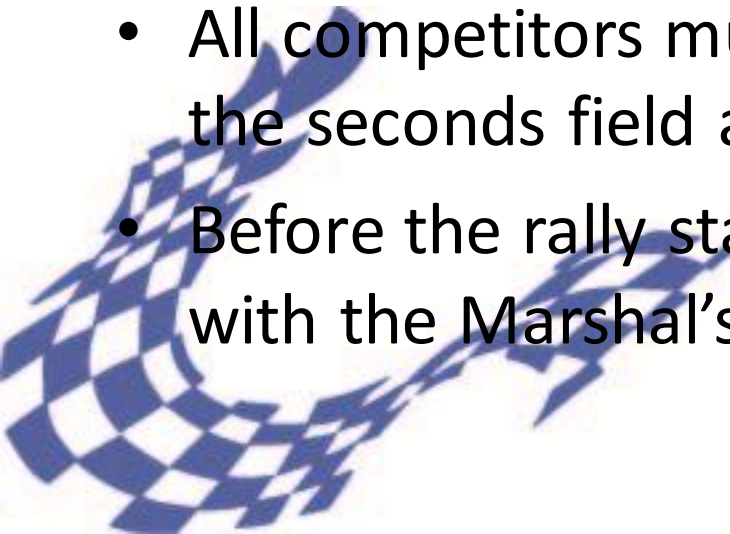
- Prescribed speeds to traverse during the rally
 - Incorporated in Road Book
 - Separate sheet

| BEGIN | END | SPEED (KMPH) |
|-------|------|-------------------|
| 0 | 2.5 | 25 |
| 2.5 | 3.87 | 15 |
| 3.87 | 4.1 | FREE ZONE 20 Mins |
| 4.1 | 5 | 45 |



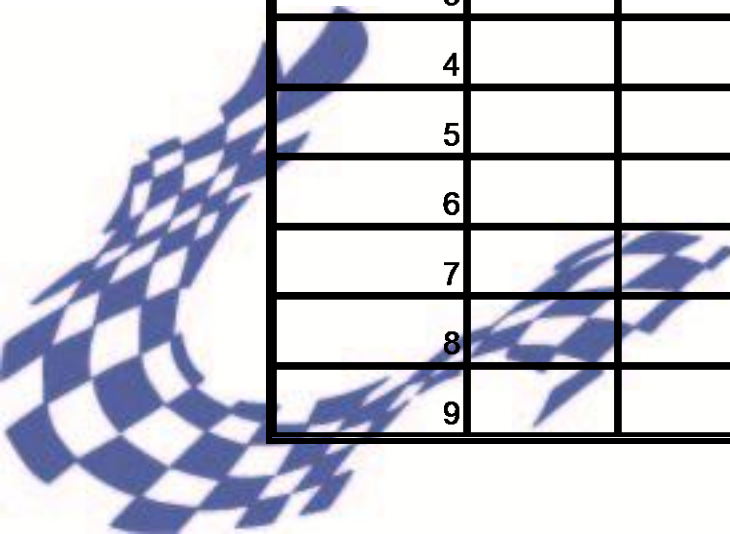
Time Card

- Time Card tracks your performance during the rally
- Given to you at start of rally and must be submitted to a marshal at end of rally
- Competitors must never write on the Time Card
- Time Card records information such as Start Time, Check in Time, Restart Time, Marshal's signature etc
- All competitors must carry a digital clock that displays the seconds field also
- Before the rally starts, this clock must be synchronised with the Marshal's clock



Time Card - Sample

| Name Of the Event Competitor's Time Card | | | | | |
|---|-------|---------|---------|----------------------|---------|
| Driver's Name: | | | | | |
| Co-Driver's Name: | | | | | |
| Comp. No. | | | | | |
| Ph nos. | | | | | |
| | | | | | |
| TC . No. | Hours | Minutes | Seconds | Marshall's Signature | Remarks |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |

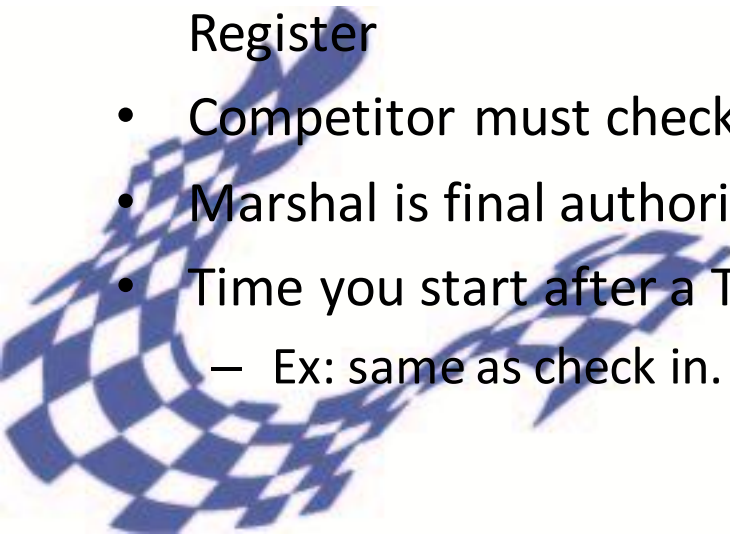


Time Control



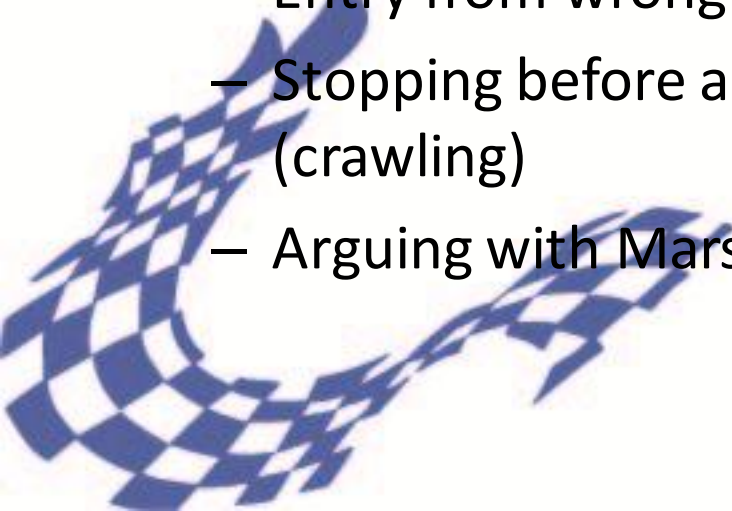
Time Control (TC)

- Undisclosed location on the rally route to check if you are on time at that point
- Identified by red clock, placed on the shoulder, on the left side of the road
- Marshal at TC board carries a stop clock and freezes time as the front wheel of the car passes the TC board
- Entry into TC only from one side
- Marshal notes down Check in Time on Time Card and Marshal's Register
- Competitor must check entry in Marshal's Register and sign against it
- Marshal is final authority on Check in Time
- Time you start after a TC (Restart time) is based on rally regulations
 - Ex: same as check in.



Penalties

- At end of rally, penalties are calculated from the Time Card
- Penalties are:
 - 1 sec for 1 sec late entry
 - 2 sec for 1 sec early entry
- Further penalties, vary for different rallies:
 - Entry from wrong direction into Time Control
 - Stopping before a Time Control or driving very slow (crawling)
 - Arguing with Marshal



Free Zone and Free Run

- Free Zone
 - Given in Road Book or Speed Chart, between certain distances, when TC will not be present
 - You must be on time at end of Free Zone
- Free Run
 - Usually at end of rally, to reach last instruction
 - Can reach there early, but never late



How to stay on time

$$T = (D \times 60) / S$$

Example:

| | BEGIN | END | SPEED (KMPH) | |
|---|-------|-----|-----------------|---------|
| A | 0 | 5 | 15 | 20 mins |
| B | 6.5 | 8 | 30 | 3 mins |
| C | 10 | 20 | 60 | 10 mins |



Do's and Dont's

- Follow traffic regulations at all times; don't overspeed, drink & drive etc
- Rally organisers are NOT responsible for your violating of traffic and other laws
- Try and not lose your way, follow instructions scrupulously and you should be fine



Have fun rallying!



For Any Clarifications
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