



GENERAL CONDITIONS, REQUIREMENTS & SPECIFICATIONS for Drivers Challenges

~~October 2016~~
November 2019

INDEX

ENTRY REQUIREMENTS.....	3
EQUIPMENT	4
GENERAL CONDITIONS.....	5
OFFICIALS	6
EXERCISE No 1: SHRINKING SERPENTINE COURSE	7
EXERCISE No 2: ESTIMATING CLEARANCE.....	8
EXERCISE No 3: PARALLEL PARKING	9
EXERCISE No 4: BAY PARKING	10
EXERCISE No 5: STRAIGHT LINE DRIVING	11
EXERCISE No 6L: SHRINKING CHICANE.....	12
EXERCISE No 6R: SHRINKING CHICANE	13
EXERCISE No 7: LANE CHANGE.....	14
EXERCISE No 8: WEAVING LANE CHANGE	15
EXERCISE No 9: LANE CHANGE.....	16
EXERCISE No 10: BRAKING.....	17
SCORE SHEET: THEORY TEST.....	18
SCORE SHEET: EXERCISE 1	19
EXERCISE 2 – READY RECKONERS: ESTIMATING CLEARANCES	20
SCORE SHEET 1: EXERCISE 2A	21
SCORE SHEET 2: EXERCISE 2A	22
SCORE SHEET 1: EXERCISE 2B	23
SCORE SHEET 2: EXERCISE 2B	24
EXERCISE 3 – READY RECKONERS: PARALLEL PARKING	25
SCORE SHEET: EXERCISE 3	26
EXERCISE 4 – READY RECKONERS: BAY PARKING.....	27
SCORE SHEET: EXERCISE 4	28
SCORE SHEET: EXERCISE 5	29
SCORE SHEET: EXERCISE 6L, 6R, 7	30
SCORE SHEET: EXERCISE 8, 9	31
SCORE SHEET: EXERCISE 10	32
APPENDIX A: EXERCISE 4 FORMULATION SHEET	33
APPENDIX B: EXERCISE 4 SETUP SHEET.....	34
APPENDIX C: EXERCISE 5 SETUP SHEET	35
APPENDIX D: EXERCISE 6 SETUP SHEET	36
APPENDIX E: EXERCISE 7 SETUP SHEET	37
APPENDIX F: EXERCISE 7 SETUP WALKTHROUGH SHEET.....	38
APPENDIX G: EXERCISE 8 SETUP SHEET.....	39
APPENDIX H: EXERCISE 8 SETUP WALKTHROUGH SHEET	40
APPENDIX I: EXERCISE 9 SETUP SHEET	41
APPENDIX J: EXERCISE 9 SETUP WALKTHROUGH SHEET.....	42

ENTRY REQUIREMENTS

DRIVERS

- ALL competitors are to be present for a Drivers Briefing prior to the commencement of the Challenge.
- ALL competitors must have a full class 2 licence.
- The UFBA Technical Panel shall reserve the right to add “wild card” entries to make up the numbers if required.
- The UFBA Technical Panel shall also have the right to restrict entries should this prove necessary.

UNIFORM

- All participants shall wear New Zealand Fire Service level 1 uniform (except for helmets and gloves) or New Zealand Fire Service dark blues.
- Participants from Rural and Industrial Brigades shall wear their level 1 uniform or recognised equivalent.

THE CHALLENGE

The Driving Challenge shall consist of:

- 1) A set of multi choice questions taken from the Heavy Traffic Class 2 Road Code, the New Zealand Fire Service drivers manual, basic pump operation, ECO control, and general Road Code;
- 2) Driving skills as contained in these rules.
- 3) Categories:
 - a. Individual competitor
 - b. Rookie Category (applicable only to the National Challenge): the winner of the Rookie Category will be the best placed competitor that is competing at the National Drivers Challenge for the first time.
 - c. Team Aggregate Category: the top three placing team members, whose aggregate overall penalties are used to determine Team Aggregate placings.
 - i. The make-up of a Team Aggregate must compromise of members from within one brigade.
 - ii. Team numbers will consist of a minimum of three and a maximum of five competitors.

EQUIPMENT

1. Required amount of fire appliances (one spare recommended)
2. Sufficient Score Sheets and Clipboards
3. Competitor Identification Numbers
4. Caravan or similar for Field Secretary with power
5. Ezy-Up shelters or similar for Isolation Areas (14 recommended)
6. Sheltered Catering Area
7. Sufficient Portable Radios: one per event and one controller
8. Sufficient Hi Viz Vests: one per official
9. Sufficient Tape Measures
10. 2 x Heavy String Lines
11. Chalk
12. Electrical tape for marking appliances
13. Sufficient cones – no larger than 450mm (7 stick cones, 220 small cones, 26 large cones)
14. 4 x 1.5 metre poles for Exercise 2
15. Sufficient lengths of hose or similar (200 metres. Kerb in Exercise 1, Kerb and No Pass Line in Exercise 3, Kerb in Exercise 4)
16. 50-60 metres of 100x50mm timber – Exercise 3 and 4 side markers and L frames to hold end barricades (6 required)
17. Ply (or similar e.g. Pallets) for rear wall in Exercise 4 – 3000mm x 1200mm
18. Ply (or similar e.g. Pallets) for front and rear wall in Exercise 3 – 1 @ 3000mm x 1200mm and 1 @ 2600mm x 1200mm
19. 4 x Upright front corner indicator poles for Exercise 4 spring poles
20. 4 x Magnetic Strip or Measuring Aids for Exercises 3 and 4
21. Cat's eyes for Exercise 5 (36 white and 6 yellow)
22. 3 x Stopwatches for Exercises 3,4 and 5
23. 2 x GPS Units that indicate speed for Exercises 6, 7, 8, 9
24. 3 sets of lights for Exercises 7-9 and appropriate extension leads. Generators if power not readily available
25. Brake meter and associated equipment for Exercise 10

GENERAL CONDITIONS

- 1) The wearing of seatbelts is compulsory. Failure to do so will result in a 100 point penalty for each occurrence.
- 2) Competitors must use mirrors when reversing at all times. Heads out of windows will not be permitted.
- 3) Any competitor found interfering with or altering their score sheet will be disqualified.
- 4) The compulsory theory test component can be completed before, or during, the challenge and will count towards the final score.
- 5) The JUDICIAL COMMITTEE shall consist of one UFBA Board member and at least two members of the UFBA Technical Panel.
- 6) Any protest must be lodged within thirty (30) minutes after completion of that evolution. Such protest must be lodged on the appropriate form which shall be available from the Field Secretary and must be accompanied by a fee of \$40 cash.
- 7) The Judicial Committee's decision shall be final.
- 8) All diagrams and measurements within the current rules are a guideline and are subject to the final decision on the day by the judges and Judicial Committee to ensure that the challenge is feasible and safe for all involved.
- 9) At the conclusion of each evolution, Officials must initial, enter the time the competitor completed the exercise, then complete the score sheet – this will then be initialled by the competitor.
- 10) All competitors will be allocated their respective muster/isolation point/s at each evolution by the judge in charge of that evolution. Competitors are strictly required to remain in this area until being released by the judge.
- 11) ALL competitors shall compete in the spirit of fair play. In the unlikely event that a competitor is identified as not competing fairly, their score may be penalised at the discretion of the Judicial Committee.
- 12) The Technical Panel Convenor or his nominated representative has the right to restrict speeds and/or lengthen dimensions of exercises, due to adverse conditions and/or safety reasons.
- 13) Speed is not to exceed 55km/h on any part of the entire circuit. Should this occur, the competitor will be penalised in the next exercise. If the speed limit is exceeded at the end of the evolutions, a penalty will be applied to the last exercise.
- 14) Speed penalties for each exercise are measured inside that particular exercise from the start point to the end point.
- 15) Observing any exercise from any isolation area will immediately incur a penalty of 100. This penalty can be applied to any competitor by any official or group marshal on the day.
- 16) Officials are authorised to remove any moveable object that is about to be hit, and then replaced when able to do so.
- 17) The use of cruise control or electronic speed limiting in any exercise is not permitted and will incur a penalty of 100 per infraction.
- 18) In the event of a tie on events 6-9, the results from event 10 will be used as the definitive result for the final placings.

OFFICIALS

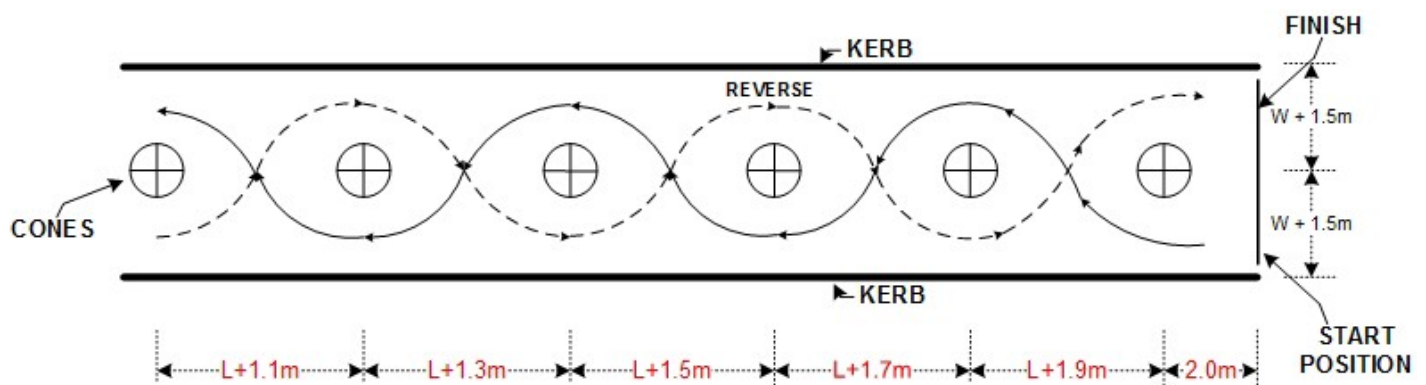
Examiner / Marker for written questionnaire	1
Field Secretary	2
Judges Exercise 1	2
Exercise 2	3
Exercise 3	3
Exercise 4	2
Exercise 5	3
Exercise 6L	1
Exercise 6R	1
Exercise 7	2
Exercise 8	2
Exercise 9	2
Exercise 10	1
Exercises 6 – 9 Appliance Judge	1
Exercises 6 – 9 GPS Judge	1
Relief Judges	2
Course / Comms Coordinator	2
Equipment Officer	1
Local Helpers (as Muster Point Marshalls)	1 per group of competitors

Once appointed to an exercise, judges will remain in that position until the completion of the Challenge.

Officials shall:

- Ensure they fully understand the exercise rules, penalties, penalty sheets and set-up for which they are officiating.
- Meet with the Technical Panel at a directed time and location prior to the Challenge commencement.
- Attend the Drivers Briefing.

EXERCISE No 1: SHRINKING SERPENTINE COURSE



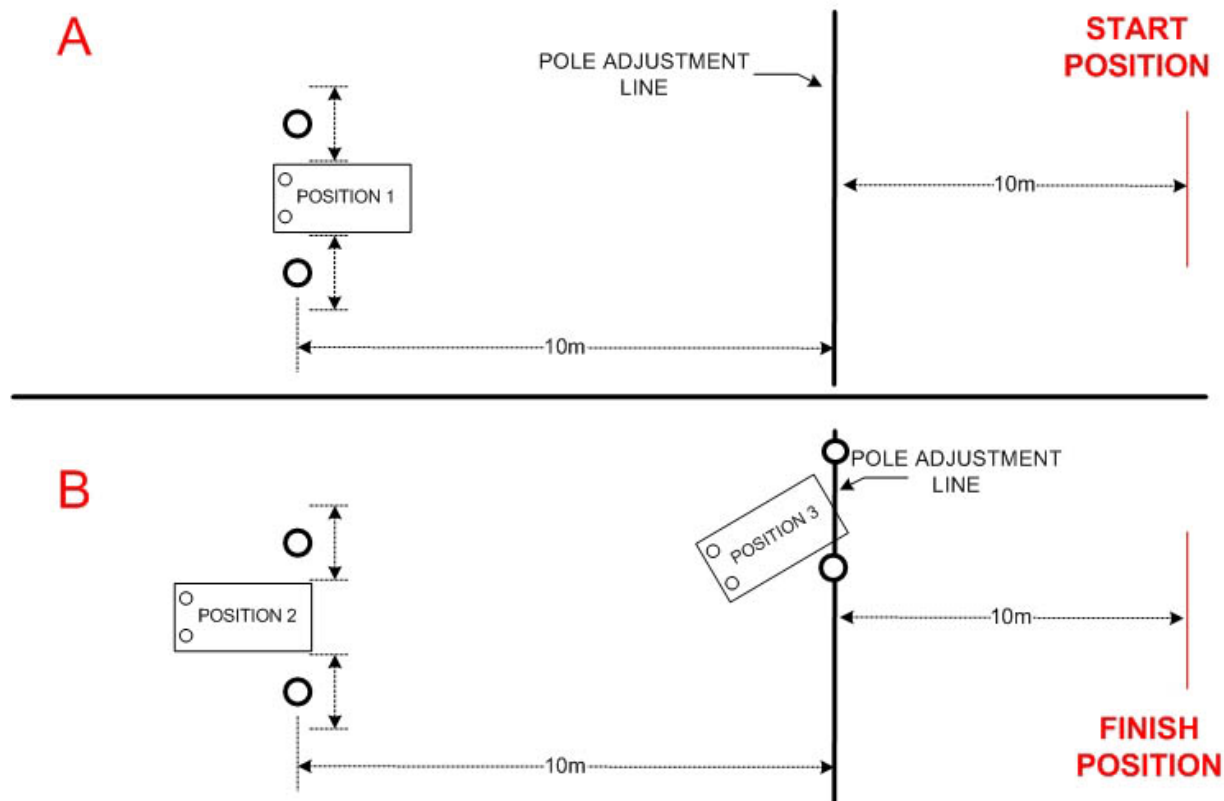
The driver must negotiate the course in a continuous motion in each direction. The driver will proceed forward through the course starting on the left-hand side of the course and then reverse the appliance back through the course from the opposite side to which they exited.

Penalties will be accumulated for:

- Realignment (forward or reverse)
- Stopping and continuing in the same direction
- Striking markers (cones)
- Touching the kerb with the tyre or crossing the kerb line
- Wrong side of the course

Any cone displaced will be replaced in its original position, before the next pass is attempted.

EXERCISE No 2: ESTIMATING CLEARANCE



Part A: From the start position, the driver will manoeuvre his/her appliance to a point 10m from the markers and stop. Both markers will be placed by the official. The driver will then give instructions for the marker(s) to be moved to a position, which he/she estimates to be equivalent to the overall width of his/her vehicle plus 150mm maximum, per side.

When the competitor is satisfied with the clearance, the official will measure the distance between the two markers. If this distance is equal to or less than the overall width of the appliance (at the pre-determined measuring points), the run will be paused and penalties accumulated as per the ready reckoner. The driver's side marker will then be removed, and the competitor will proceed forward and position the appliance as close to the near side marker as he/she can (at the pre-determined measuring point). Any further penalties will then be accumulated.

If the distance is greater than the overall width of the appliance (at the pre-determined marking points), the competitor will then proceed with the appliance up to the markers and stop within the confines of the markers.

Part B: Following the above, the driver will move forward until the rear of the appliance is level with the markers he/she has just estimated. The official will then position one marker directly in line with the driver's side of the appliance at the pole adjustment line.

The driver will then indicate the position of the other marker (to be drivers side marker) using only his/her mirrors. When the driver is satisfied with the clearance, the official will measure the distance between the two markers. If this distance is equal to or less than the overall width of the appliance (at the pre-determined measuring points), the run will be paused and penalties accumulated as per the ready reckoner. The driver's side marker will then be removed, and the competitor will reverse and position the appliance as close to the near side marker as he/she can (at the pre-determined measuring point). Any further penalties will then be accumulated.

If the distance is greater than the overall width of the appliance (at the pre-determined marking points), the competitor will then reverse the appliance back to the markers and stop within the confines of the markers.

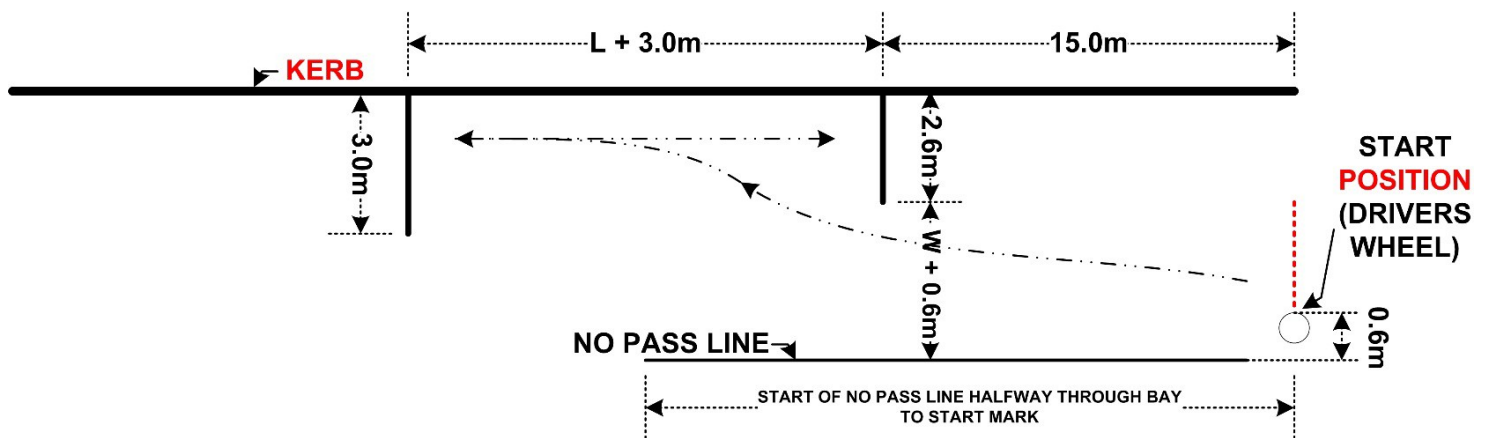
Penalties will be accumulated as per the Ready Reckoner and also for:

- Striking any side markers

Notes

1. Measuring point(s) will be pre-determined prior to challenge commencement and marked as such on the appliance with tape. Measuring points on an Iveco appliance will be the outside of the front indicators and the outside of the handle of the rear lockers.
2. Measurements will be taken on both sides (from the pre-determined measuring points to the markers) and penalties accumulated.
3. The driver's side window must be up.

EXERCISE No 3: PARALLEL PARKING



The driver will reverse the appliance from the start position into the parking area, as indicated by the barriers.

The driver is permitted a maximum of two backward movements AND two forward movements to position the appliance in the parking area. A change of direction signals the end of a movement. Any extra movements will incur a penalty of 10 per movement.

Once parked, the appliance's position will be measured to calculate how far off centre within the front and rear confines the appliance is, as well as how far off the kerb and how parallel to the kerb the appliance is. Measurements will be taken from the rear of the appliance at the pre-determined measuring points, and on the near side of the appliance near the front and rear at the pre-determined measuring points. In the event that the appliance is parked on or over the kerb, then distances B and C will still be recorded, but they will be added together for a new score value. Note – “over kerb” is defined as any part of the appliance at the designated measuring positions.

On leaving the parking area the driver is then permitted another maximum of two forward movements AND two backward movements to remove the appliance from the parking area and place the appliance back at the start position. Any extra movements will incur a penalty of 10 per movement.

Penalties will be accumulated for:

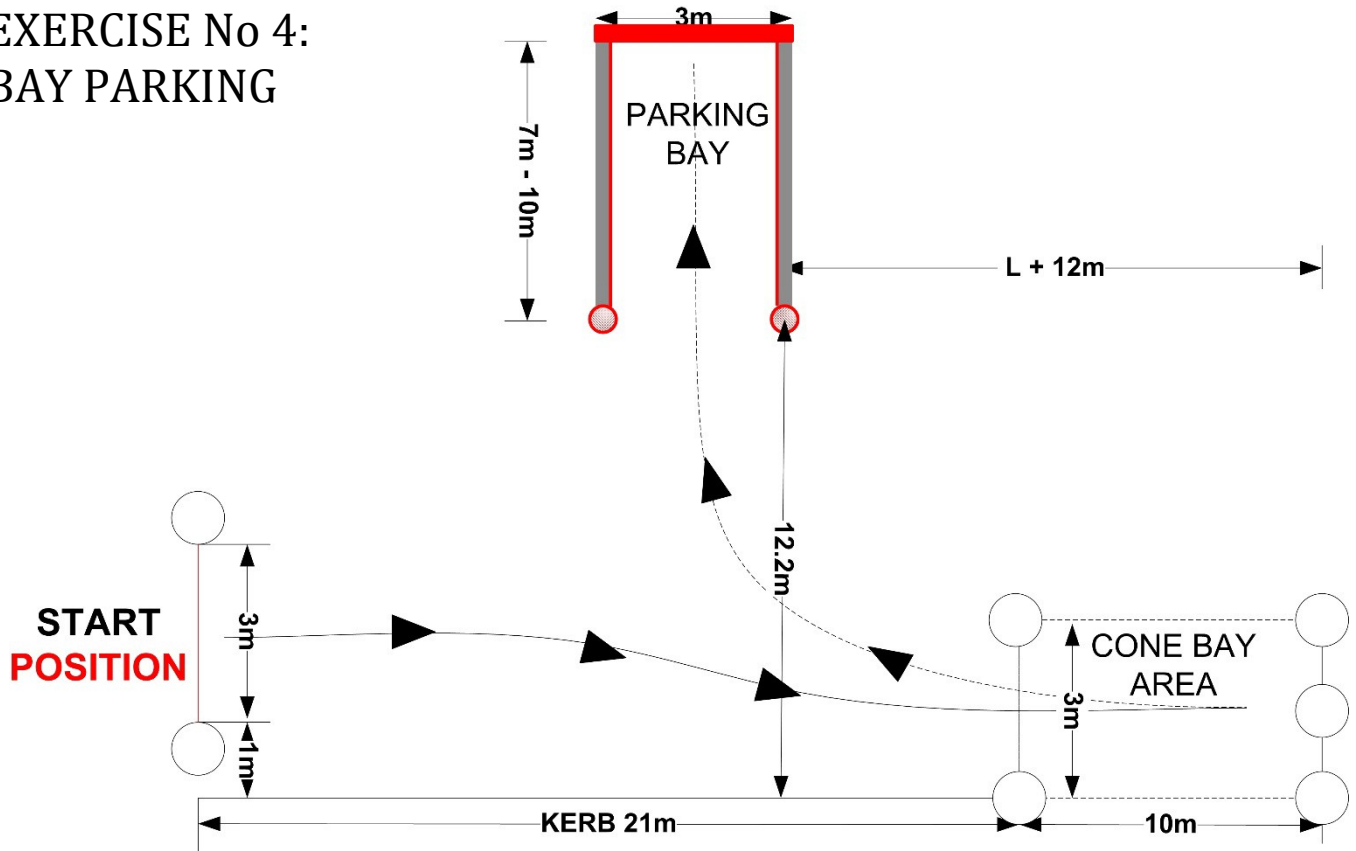
- Striking a barricade
- Touching the kerb with a tyre
- Tyre crossing the kerb line.
- Touching the no pass line with a tyre
- Tyre crossing the no pass line
- More than four movements on entry or exit
- Appliance not being properly centred, 300mm variation
- Appliance distance from kerb/being off parallel. 300mm tolerance from kerb permitted & 50mm tolerance off parallel permitted

This exercise has a time limit of 3 minutes to park. Once 3 minutes has elapsed, the driver will be told to stop and the measurements taken.

Note:

1. Measuring point(s) will be pre-determined prior to challenge commencement and marked as such on the appliance with tape.
2. Kerb distance and parallel offset measuring points to be 1) immediately behind cab on locker body work and 2) immediately behind rear wheel.
3. Barricades to consist of physical walls of a different colour to that of the ground.

EXERCISE No 4: BAY PARKING



Diagrams are not to scale

Driver starts between the cones at the start position, moves forward into cone bay area until the rear of the appliance is inside the cones, then reverses into the parking bay without striking kerb, cones, side boundary or rear barricade. This includes the inside vertical plane from any ground marker. The driver will stop when they believe that they are in the correct position and measurements will be made. Once measurements are made, the driver will then drive forward out of the parking bay, into the cone bay area until the rear of the appliance is past the cones, then reverse through the start cones.

Penalties will be accumulated for:

- Touching the kerb with a tyre
- Tyre crossing the kerb line
- Each realignment
- Not moving forward inside cone area on entry and exit of bay area
- Hitting any cone
- Striking a front marker 
- Striking the rear barricade
- Crossing the vertical plane from any ground marker
- Being off-centre from the side boundaries
- Parallel offset

The appliance must be stopped within 450mm of the rear barricade and properly centred within the side boundary markers. A variation of 50mm is permitted for centring the appliance.

This exercise has a time limit of 3 minutes to park. Once 3 minutes has elapsed, the driver will be told to stop and the measurements taken.

Notes:

1. Measuring point(s) will be pre-determined prior to challenge commencement and marked as such on the appliance with tape.
2. Side walls to consist of 100x50mm lengths laying flat on the ground. Front corners to be marked with polystyrene pipe or similar. Back wall to consist of a physical wall of a different colour to that of the ground.
3. Off centre distance and parallel offset measuring points to be 1) immediately behind cab on locker body work and 2) immediately behind rear wheel

EXERCISE No 5: STRAIGHT LINE DRIVING Forward and Backward

The driver will proceed through the course from the designated start position in one continuous motion forward, and in one continuous reverse motion into the mid event parking area.

The driver will then proceed through the course, in one continuous motion forward, and in one continuous reverse motion into the start and finish area.

On the first forward movement, the left set of wheels will pass between the cats' eyes and on the first reverse movement, the right wheels will pass between the cats' eyes.

On the second forward movement, the right set of wheels will pass between the cats' eyes and on the second reverse movement, the left wheels will pass between the cats' eyes.

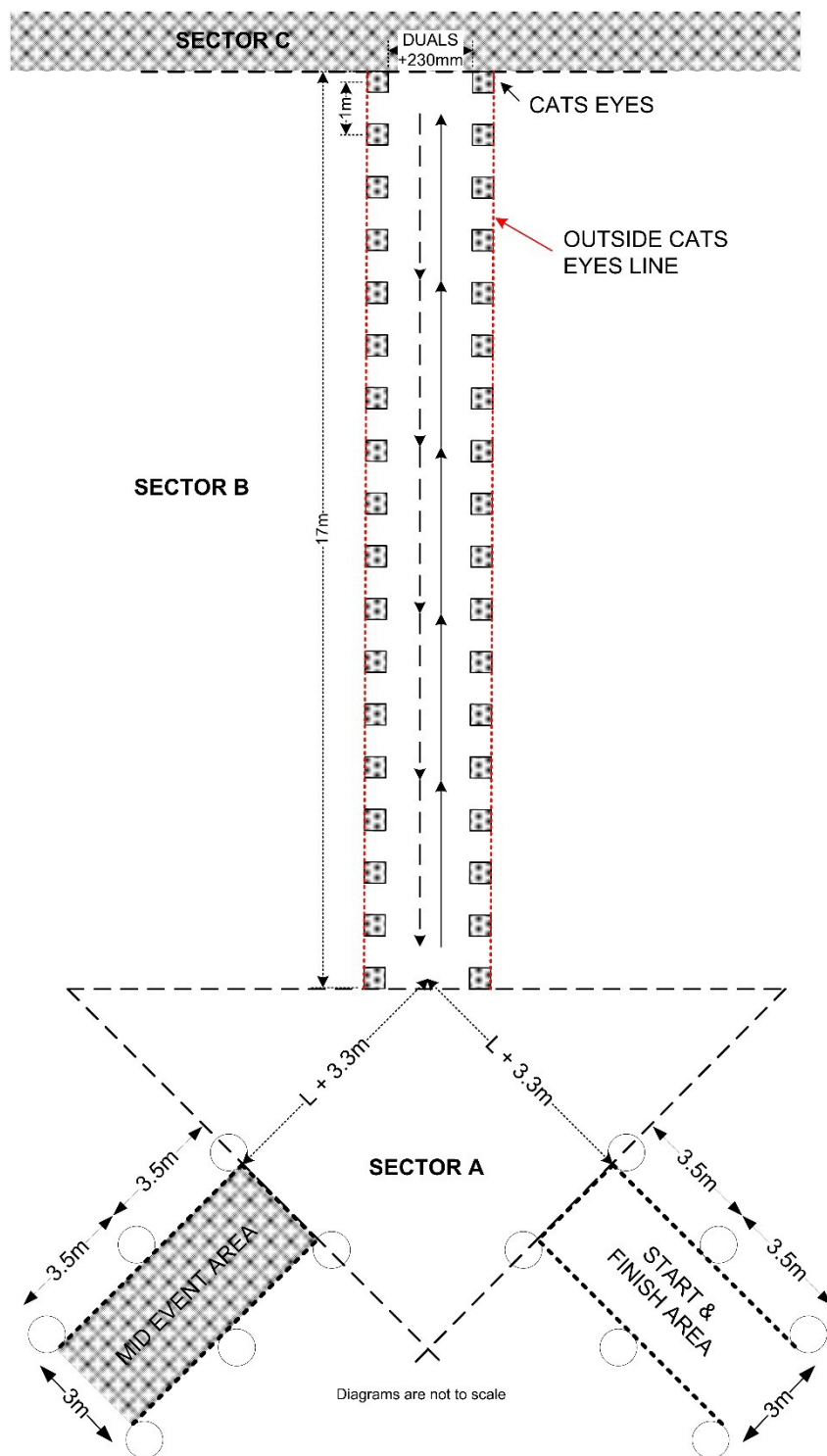
Penalties will be accumulated for:

- Stopping and continuing in the same direction
- Each realignment
- Striking a cat's eye (front or back wheels)
- Striking a parking bay cone
- Negotiating the cats eyes with the wrong set of wheels
- Non completion of event due time allotment
- Not completing the event as described
- Not fully entering start/finish & mid areas completely
- Crossing the outside cats eye line with front wheels

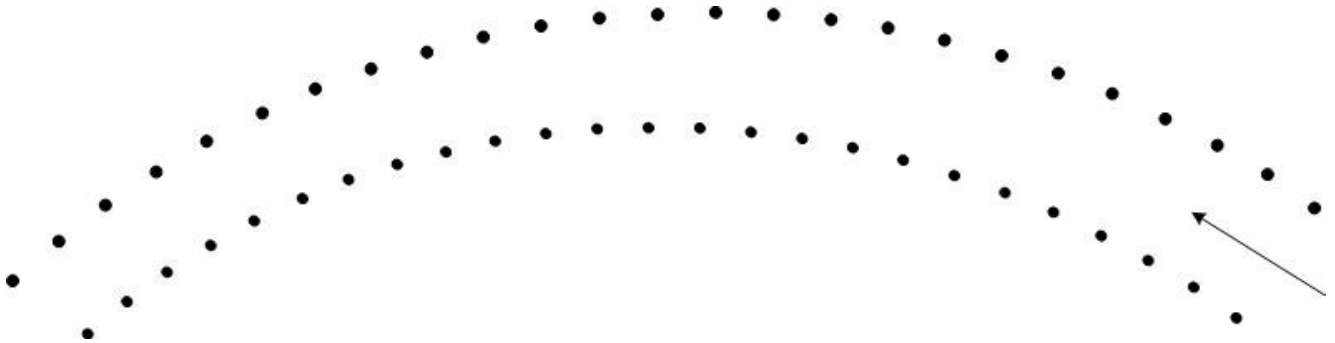
This exercise has a time limit of 4:30 minutes to complete. Non completion of the exercise will result in a penalty of 30 per sector not completed. When travelling forwards, the rear of the appliance determines the finish of a sector. Likewise when travelling backwards, the front of the appliance determines the finish of a sector. The front and back tyres striking cats eyes will result in 5 penalty points per strike. Hitting garage cones will result in 25 penalty points per strike. Crossing outside the cat's eye line with front wheels will result in 75 penalty points.

Notes:

1. See Appendix C for setup diagram for this exercise.
2. Any cats eye displaced will be replaced in its original position, before the next pass is attempted.
3. Failure to fully complete any sector, as well as not fully entering a start/finish/mid area, will result in penalties for each sector and area combined.
4. Hatched areas of the above diagram (Section C and Mid Event Area) are exempt from the Stop and Realignment penalties.



EXERCISE No 6L: SHRINKING CHICANE



The driver must negotiate the chicane in a continuous motion at a speed not less than 45km/h.

The vehicle must keep within the boundaries throughout the entire manoeuvre.

Penalties will be accumulated for:

- Speed less than 40km/h
- Speed less than 45km/h
- Striking a marker
- Moving any part of the vehicle outside the coned boundary
- Using cruise control

Note:

1. If the driver exceeds 55km, the official will call "abort" and a penalty of 100 points will be given.
2. See Appendix D for setup diagram for this exercise.
3. Cruise control cannot be used.

EXERCISE No 6R: SHRINKING CHICANE



The driver must negotiate the chicane in a continuous motion at a speed not less than 45km/h.

The vehicle must keep within the boundaries throughout the entire manoeuvre.

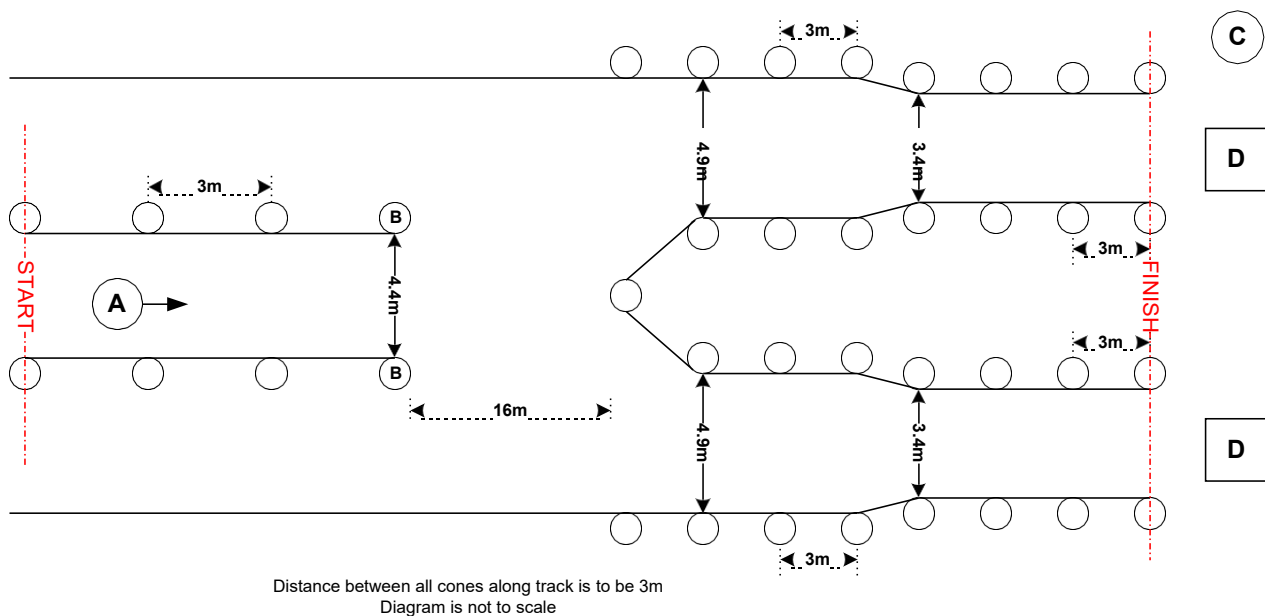
Penalties will be accumulated for:

- Speed less than 40km/h
- Speed less than 45km/h
- Striking a marker
- Moving any part of the vehicle outside the coned boundary
- Using cruise control

Note:

1. If the driver exceeds 55km, the official will call "abort" and a penalty of 100 points will be given.
2. See Appendix D for setup diagram for this exercise.
3. Cruise control cannot be used.

EXERCISE No 7: LANE CHANGE



The driver must approach Lane A at not less than 45km/h. As the driver approaches point B, a light at point C will indicate which lane the driver must use to exit at point D. The driver must manoeuvre left or right as indicated by the lights.

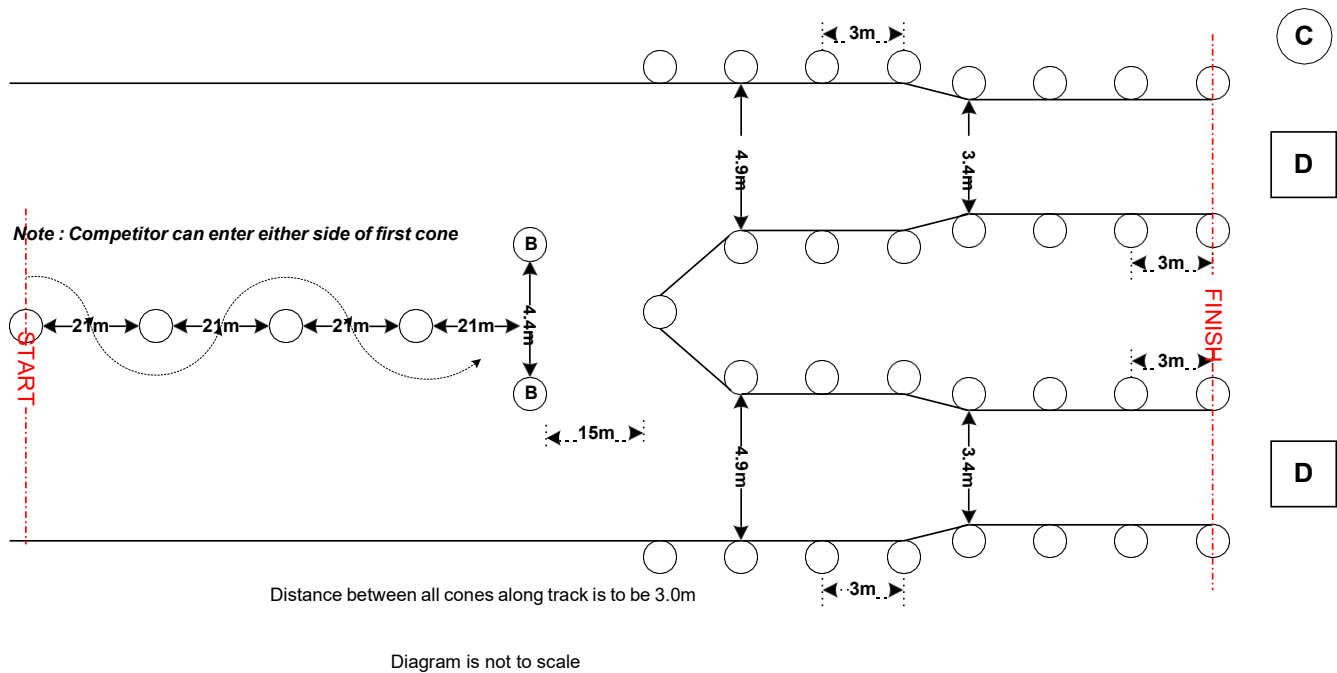
Penalties will be accumulated for:

- Speed less than 40km/h
- Speed less than 45km/h
- Striking a marker
- Manoeuvres into the wrong lane
- Moving outside the boundaries of the course
- Using cruise control

Note:

1. If the driver exceeds 55km/h, the official will call "abort" and a penalty of 100 points will be given.
2. See Appendixes E & F for setup diagrams for this exercise.
3. Cruise control cannot be used.

EXERCISE No 8: WEAVING LANE CHANGE



The driver will approach cones at not less than 45km/h and drive between cones. As the driver approaches point B, a light at point C will indicate which lane the driver must use to exit at point D. The driver must manoeuvre left or right as indicated by the lights.

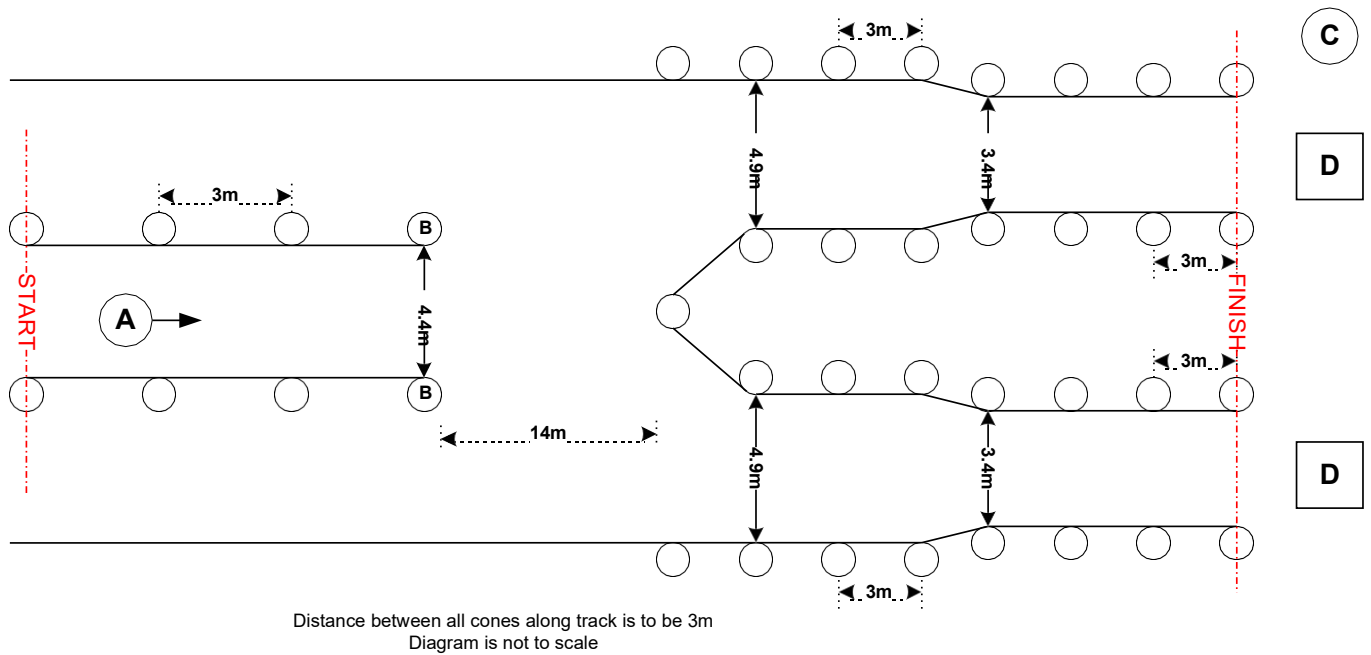
Penalties will be accumulated for:

- Speed less than 40km/h
- Speed less than 45km/h.
- Striking a marker
- Manoeuvres into the wrong lane
- Moving outside the boundaries of the course
- Using cruise control

Note:

1. If the driver exceeds 55km/h, the official will call "abort" and a penalty of 100 points will be given.
2. See Appendixes G & H for setup diagrams for this exercise.
3. Cruise control cannot be used.

EXERCISE No 9: LANE CHANGE



The driver must approach Lane A at not less than 45km/h. As the driver approaches point B, a light at point C will indicate which lane the driver must use to exit at point D. The driver must manoeuvre left or right as indicated by the lights.

Penalties will be accumulated for:

- Speed less than 40km/h
- Speed less than 45km/h.
- Striking a marker
- Manoeuvres into the wrong lane
- Moving outside the boundaries of the course
- Using cruise control

Note:

1. If the driver exceeds 55km/h, the official will call “abort” and a penalty of 100 points will be given.
2. See Appendixes I & J for setup diagrams for this exercise.
3. Cruise control cannot be used.

EXERCISE No 10: BRAKING

Once the appliance reaches 45km/h, a light on the appliance dash will come on to indicate the competitor is up to speed.

Some time following this and within the defined braking area clearly identified on the track, the judge will activate the indicator light and sounder (which will also activate the braking calculator device) and the competitor will stop in the shortest distance he/she can.

The reaction time and total stopping distance will be calculated. The calculated time and distance will be multiplied by ten and used as penalties for this exercise.

In the event of a competitor braking and / or slowing to below 45km/h before the indicator light / sounder is activated, this will result in an immediate penalty of 100. This is then added to the reaction time and stopping distance.

Penalties will be accumulated for:

- Left foot braking
- Using cruise control

THEORY TEST - SCORE SHEET

COMPETITOR NUMBER: _____

TEST SHEET NUMBER: _____

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D

**Clearly mark the
letter of the answer
you think is correct
with an 'X'**

**A penalty of 10 is
given for each
incorrect answer**

Fault	Count	Penalty	Penalties accumulated
Incorrect answers		10 each	

Shrinking Serpentine Course

- COMPETITOR NUMBER:**
-

Time

Officials Initials _____

Competitors Initials

Breach of isolation (100 each)
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EXERCISE 2 – ESTIMATING CLEARANCES

Ready Reckoner to Calculate Initial Width Penalty

If distance is greater than overall width of appliance

RR2A

Clearance each side	Penalty
0 – 150mm	0
151 – 175mm	10
176 – 200mm	20
201 – 225mm	30
226 – 250mm	40
251 – 275mm	50
276 – 300mm	60
301 – 325mm	70
326 – 350mm	80
351 – 375mm	90
376mm or more	100
Marker Strike	100

Ready Reckoner to Calculate Initial Width Penalty

If distance is less than overall width of appliance

RR2B

Clearance	Penalty
0 to -25mm	100
-26 to -50mm	120
-51 to -75mm	140
-76 to -100mm	160
-101mm or more	180

Ready Reckoner to Calculate Second Near Side Penalty

Second penalty if distance is less than overall width of appliance

RR2C

Clearance	Penalty
0 – 75mm	0
76 – 100mm	10
101 – 125mm	20
126 – 150mm	30
151 – 175mm	40
176 – 200mm	50
201mm or more	60
Marker Strike	100

EXERCISE 2 PART A - SCORE SHEET 1

Estimating Clearances (If clearance distance is greater than overall width of appliance)

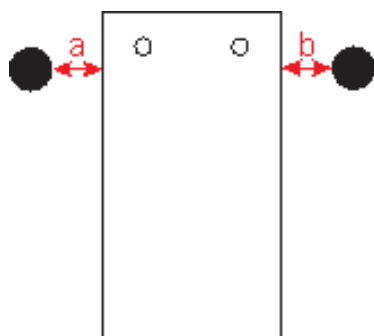
- Official to complete yellow shaded areas only.
- Field Secretary to complete Penalties from Ready Reckoners and Totals.

COMPETITOR NUMBER:

Appliance Width

Marker Width

Have driver position between the markers



	Hit marker? (✓)	Measure	Penalties from RR2A
a	100		
b	100		

COUNT

No seatbelt worn

Head outside window

	100	
	100	

Total Penalties

Time

Officials Initials

Competitors Initials

Breach of isolation (100 each)

Estimating Clearances (If clearance distance is less than overall width of appliance)

- COMPETITOR NUMBER:**

Diagram illustrating a car interior with a driver's head outside the window, marked with a red 'X' indicating a penalty.

	Hit marker? (✓)	Measure
X		100

	COUNT
No seatbelt worn	100
Head outside window	100

Total Penalties

UFBA Drivers Challenge Rules – November 2019 || 22

EXERCISE 2 PART B - SCORE SHEET 1

Estimating Clearances

(If clearance distance is greater than overall width of appliance)

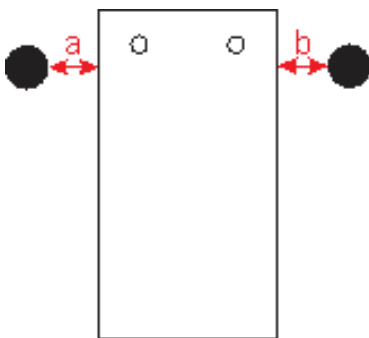
- Official to complete yellow shaded areas only.
- Field Secretary to complete Penalties from Ready Reckoners and Totals.

COMPETITOR NUMBER:

Appliance Width

Marker Width

Have driver position between the markers



	Hit marker? (✓)	Measure	Penalties from RR2A
a	100		
b	100		

COUNT

No seatbelt worn		100	
Head outside window		100	

Total Penalties

Time

Officials Initials _____

Competitors Initials

Breach of isolation (100 each)
--------------------------------	-------

Estimating Clearances (If clearance distance is less than overall width of appliance)

- COMPETITOR NUMBER:**
-

Appliance Width		
Marker Width		
Difference		Penalties from RR2B

The diagram illustrates a vehicle interior with a driver's seat on the left. A black circle represents the driver's head, and a red 'X' with a double-headed arrow indicates a penalty for not wearing a seatbelt. To the right of the seat is a table with two rows of penalty counts. The first row is for 'No seatbelt worn' with a count of 100. The second row is for 'Head outside window' with a count of 100. The total penalties are 200.

	Hit marker? (✓)	Measure	Penalties from RRZC
X			

	COUNT
No seatbelt worn	100
Head outside window	100
Total Penalties	200

Breach of isolation (100 each)

EXERCISE 3 – PARALLEL PARKING

Ready Reckoner 3A (RR3A)

	Movements								
	1-4	5	6	7	8	9	10	11	12
0 - 50mm						0	10	20	30
51 - 100mm					0	10	20	30	40
101 - 150mm				0	10	20	30	40	50
151 - 200mm			0	10	20	30	40	50	60
201 - 250mm		0	10	20	30	40	50	60	70
251 - 300mm	0	10	20	30	40	50	60	70	80
301 - 350mm	10	20	30	40	50	60	70	80	90
351 - 400mm	20	30	40	50	60	70	80	90	100
401 - 450mm	30	40	50	60	70	80	90	100	110
451 - 500mm	40	50	60	70	80	90	100	110	120
501 - 550mm	50	60	70	80	90	100	110	120	130
551 - 600mm	60	70	80	90	100	110	120	130	140
601 - 650mm	70	80	90	100	110	120	130	140	150
651 - 700mm	80	90	100	110	120	130	140	150	160
701 - 750mm	90	100	110	120	130	140	150	160	170
751mm or more	100	110	120	130	140	150	160	170	180

EXERCISE 3 – PARALLEL PARKING

Ready Reckoner 3B (RR3B)

0 - 50mm	0
51 - 100mm	10
101 - 150mm	20
151 - 200mm	30
201 - 250mm	40
251 - 300mm	50
301 - 350mm	60
351 - 400mm	70
401 - 450mm	80
451 - 500mm	90
501mm or more	100

EXERCISE 3 - SCORE SHEET

Parallel Parking

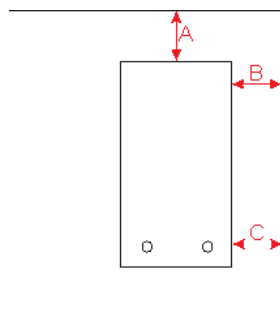
- Official to complete **yellow shaded areas only**.
- Field Secretary to complete Penalties from Ready Reckoners and Total penalties.
- In the event of appliance being parked on or over kerb at completion of parking, "B" & "C" measurements are still to be recorded (as a positive value).

COMPETITOR NUMBER:

Fault	Count	Penalty	Penalties accumulated
Striking a barricade	 	50 each	
Tyre touching the kerb	 	25 each	
Tyre crossing the kerb	 	75 each	
Tyre touching the no pass line	 	25 each	
Tyre crossing the no pass line	 	75 each	
No seatbelt worn	 	100	
Head outside window	 	100	

More than four movements on ENTRY (Z) RECORD MOVEMENT TOTAL IN COUNT COLUMN - PENALTIES APPLY FOR MORE THAN FOUR	Total movements*	10 each	
More than four movements on EXIT RECORD MOVEMENT TOTAL IN COUNT COLUMN - PENALTIES APPLY FOR MORE THAN FOUR	Total movements*	10 each	

**Field Secretary: disregard the first four ENTRY movements and only calculate penalties for any additional movements over four.*



x = 1500

A	 	# of movements (Z)		
x - A	 		RR3A	
B	 		RR3A	
C	 		RR3A	

Appliance NOT over kerb	 	Difference between B&C		RR3B	
Appliance over kerb	 	Add B & C		RR3B	

✓ (Tick **one** of the above boxes only)

Total Penalties

Time Officials Initials Competitors Initials

Breach of isolation (100 each)

EXERCISE 4 – BAY PARKING

Ready Reckoner 4A (RR4A)

0 – 300mm	0
301 – 350mm	10
351 – 400mm	20
401 – 450mm	30
451 – 500mm	40
501 – 550mm	50
551 – 600mm	60
601 – 650mm	70
651 – 700mm	80
701 – 750mm	90
751 or more	100

Ready Reckoner 4B (RR4B)

0 - 50mm	0
51 - 100mm	20
101 - 150mm	40
151 - 200mm	60
201 - 250mm	80
251mm or more	100

EXERCISE 28 - SCORE

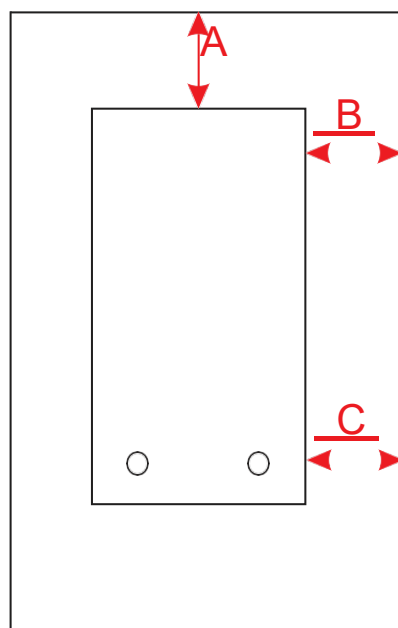
Bay Parking

- Official to complete **yellow shaded areas only**.
- Field Secretary to complete Penalties from Ready Reckoners and Accumulated and Total penalties.

COMPETITOR NUMBER: **_____**

Fault	Count	Penalty	Accumulated Penalties
Tyre touching the kerb		25 each	
Tyre crossing the kerb		75 each	
Each Realignment		30 each	
Striking rear barricade		100	
Striking side marker or cone		25 each	
Not positioning appliance inside cone bay area on entry and exit of parking bay		20 each	
No seatbelt worn		100	
Head outside window		100	

'X' measurement to the right is calculated using method in Appendix A



A = _____

B = _____

C = _____

X = _____

Time _____

Officials Initials _____

Competitors Initials

Breach of isolation (100 each) _____

EXERCISE 5 - SCORE SHEET

Straight Line Driving

- Official to complete yellow shaded areas only.
- Field Secretary to complete Accumulated and Total penalties.

COMPETITOR NUMBER:

Cats Eye Strikes						
	1st	2nd	3rd	4th	Penalty	Total
Front Wheels					5/Strike	
Rear Wheels					5/Strike	

Parking Bay Strikes						
	Leaving	Entry	Leaving	Entry		
Cones					25/Strike	

Not completing exercise as described						
	LH	RH	RH	LH		
Wrong Wheels					25/Set	
Mid Area			Finish Area			
Wrong Parking Bays					60/Each Area	
Not in Parking Bay					20/Each Bay	

					Count	
Stopping and continuing in the same direction		15 each	Realign		30 each	
Crossing cats eye line with front wheels					75 each	
No seatbelt worn					100 each	
Head outside window					100 each	
Sectors not complete					30/Sector	
Event Duration Time						

Time Officials Initials Competitors Initials

Breach of isolation (100 each)

EXERCISES 6 - 9

SCORE SHEET

EXERCISE 6L – Shrinking Chicane

COMPETITOR NUMBER:

Fault	Speed:	Count	Penalty	Accumulated penalties (field secretary to calculate)
Speed less than 45km			50	
Speed less than 40km			100	
Striking a marker			10 each	
Moving outside coned boundary			50	
Run aborted			100	
TOTAL EXERCISE PENALTIES (Field Secretary to calculate total)				

EXERCISE 6R – Shrinking Chicane

Fault	Speed:	Count	Penalty	Accumulated penalties (field secretary to calculate)
Speed less than 45km			50	
Speed less than 40km			100	
Striking a marker			10 each	
Moving outside coned boundary			50	
Run aborted			100	
TOTAL EXERCISE PENALTIES (Field Secretary to calculate total)				

EXERCISE 7 – Lane Change

Fault	Speed:	Count	Penalty	Accumulated penalties (field secretary to calculate)
Speed less than 45km			50	
Speed less than 40km			100	
Striking a marker			10 each	
Moving outside boundaries of course			50	
Wrong lane			100	
Run aborted			100	
TOTAL EXERCISE PENALTIES (Field Secretary to calculate total)				

EXERCISES 6 - 9

SCORE SHEET continued

EXERCISE 8 – Weaving Lane Change

COMPETITOR NUMBER:

Fault	Speed:	Count	Penalty	Accumulated penalties (field secretary to calculate)
Speed less than 45km			50	
Speed less than 40km			100	
Striking a marker			10 each	
Moving outside boundaries of course			50	
Wrong lane			100	
Did not weave			25percone	
Run aborted			100	
TOTAL EXERCISE PENALTIES (Field Secretary to calculate total)				

EXERCISE 9 – Lane Change

Fault	Speed:	Count	Penalty	Accumulated penalties (field secretary to calculate)
Speed less than 45km			50	
Speed less than 40km			100	
Striking a marker			10 each	
Moving outside boundaries of course			50	
Wrong lane			100	
Run aborted			100	
TOTAL EXERCISE PENALTIES (Field Secretary to calculate total)				

No seatbelt worn		100	
Cruise control used in any exercise		100	

TOTAL PENALTIES 6-9 (Field Secretary to calculate total)	
---	--

Time Officials Initials Competitors Initials

Breach of isolation (100 each)

EXERCISE 10 - SCORE SHEET

Braking

- Official to complete Competitor Number, speed at brake, time, initials and yellow shaded areas only.
- Field Secretary to complete Accumulated and Total penalties.

COMPETITOR NUMBER:

Speed at brake: km/h

Fault	Count	Penalty	Measure / Penalty
Stopping distance in metres			
Reaction time in metres			
		Subtotal	
		Subtotal x 10	(a)
Reducing speed <i>below 45km/h</i> before brake indicator light activates		100	(b)
No seatbelt worn		100	(c)
TOTAL PENALTIES (a+b+c) (Field Secretary to calculate total)			

Time 

Officials Initials _____

Competitors Initials Breach of isolation (100 each)

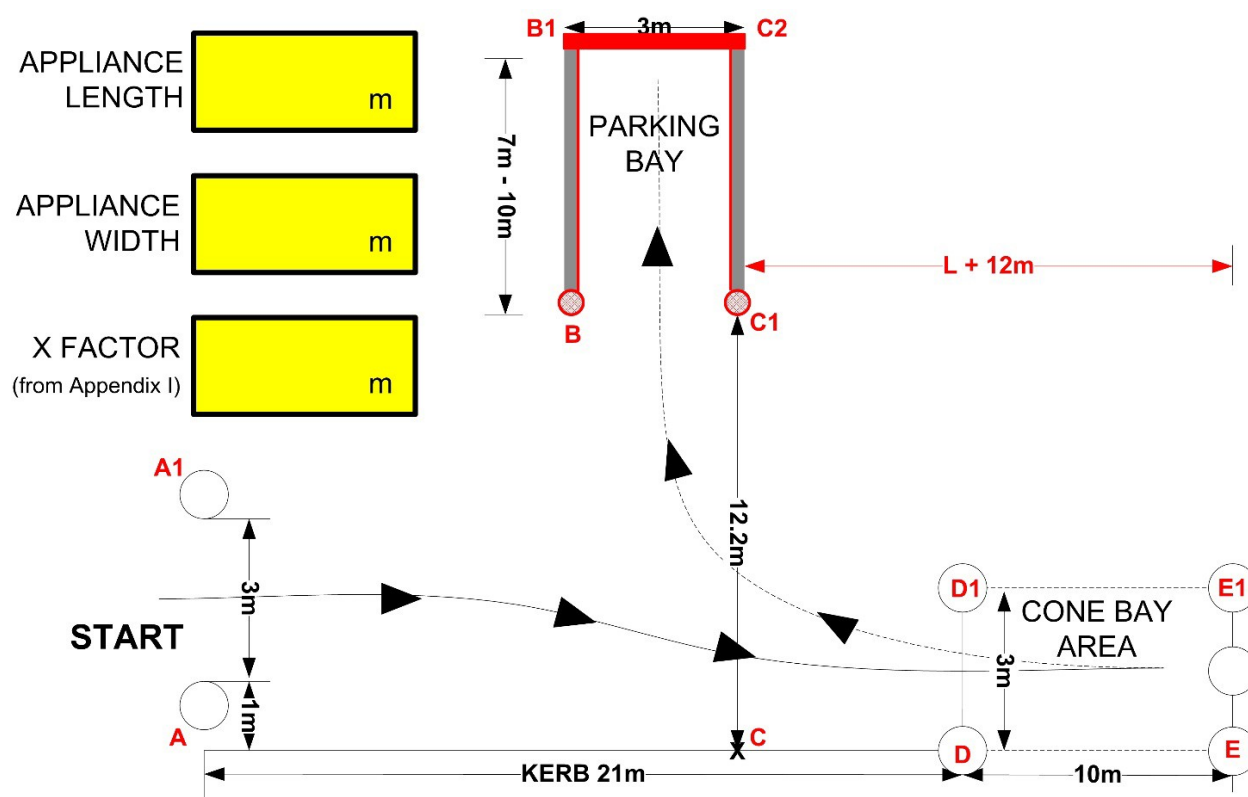
APPENDIX A

Formula to calculate 'x' for Exercise 4

Bay Width (1)	
Appliance Width (2)	
Subtract (2) from (1) for Total	
Total ÷ 2 = x	

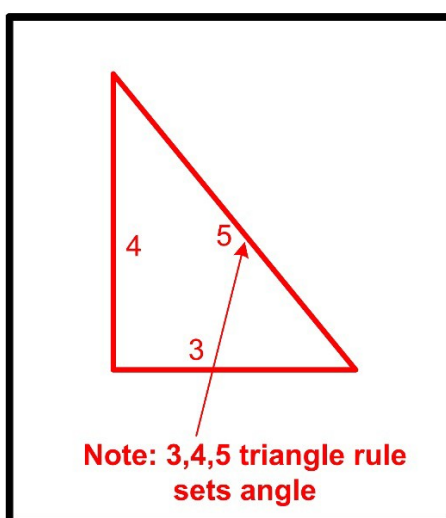
APPENDIX B

EXERCISE 4 - SETUP SHEET



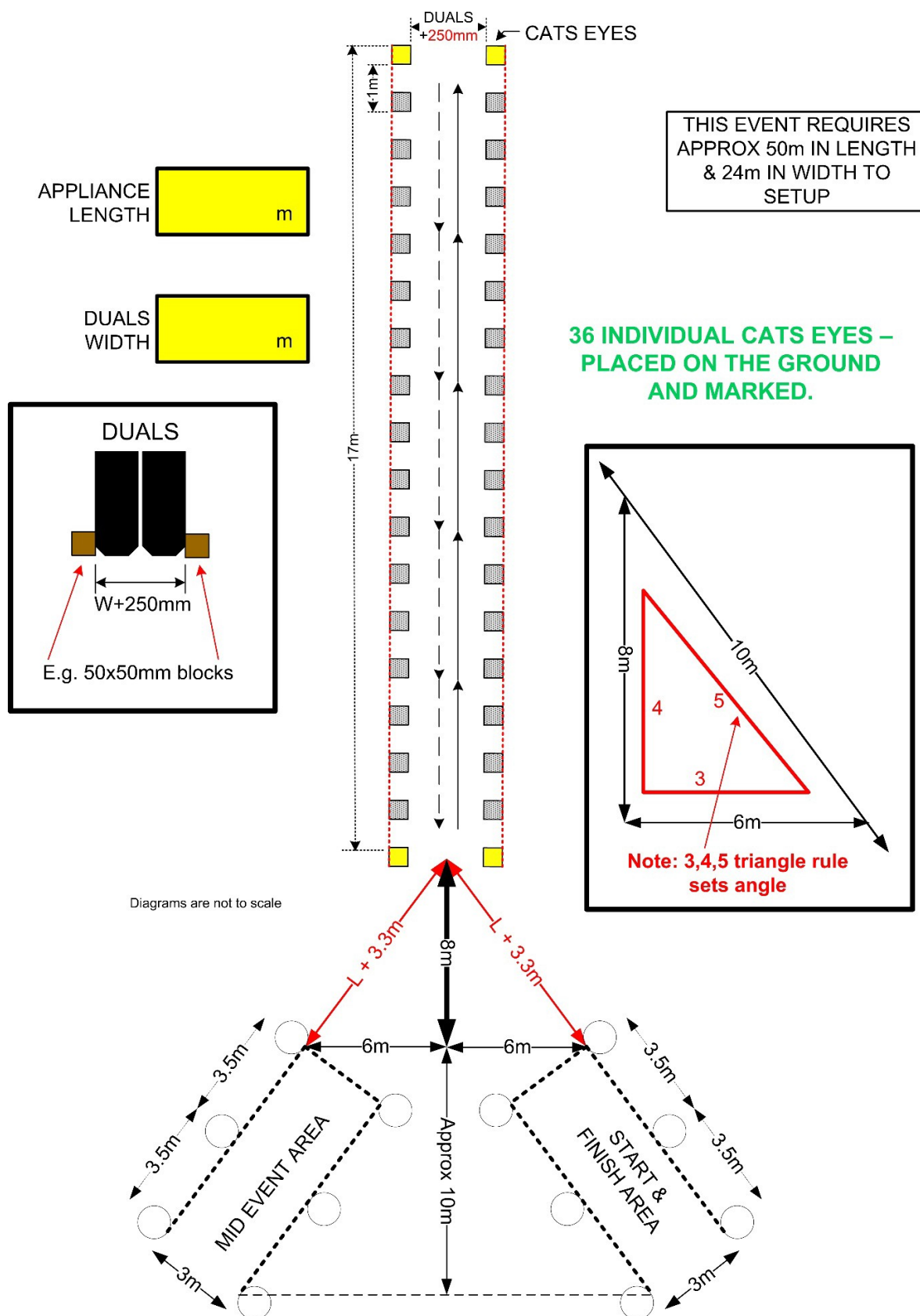
Diagrams are not to scale

1. Set out points A, C, D & E
2. "3.4.5" triangle rule off A, C, D & E to find A1, C1 & C2, D1 & E1
3. "3.4.5" triangle rule off C1 & C2 to find B & B1



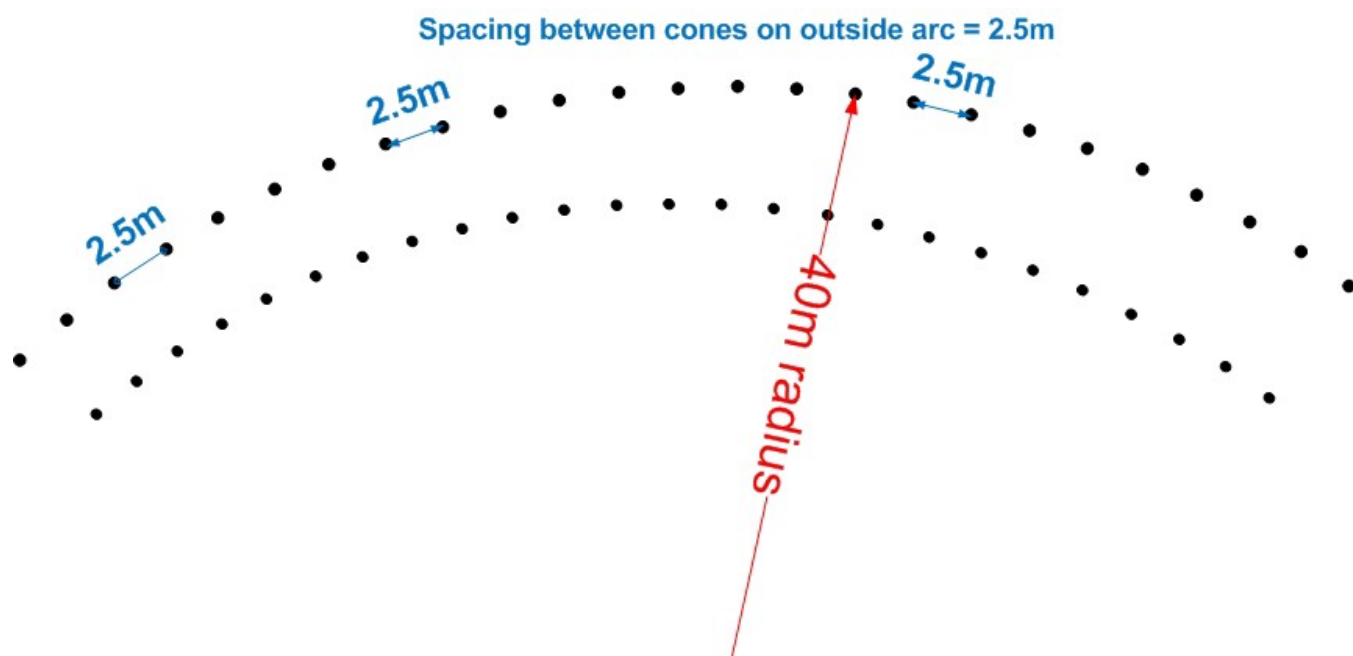
APPENDIX C

EXERCISE 5 - SETUP SHEET

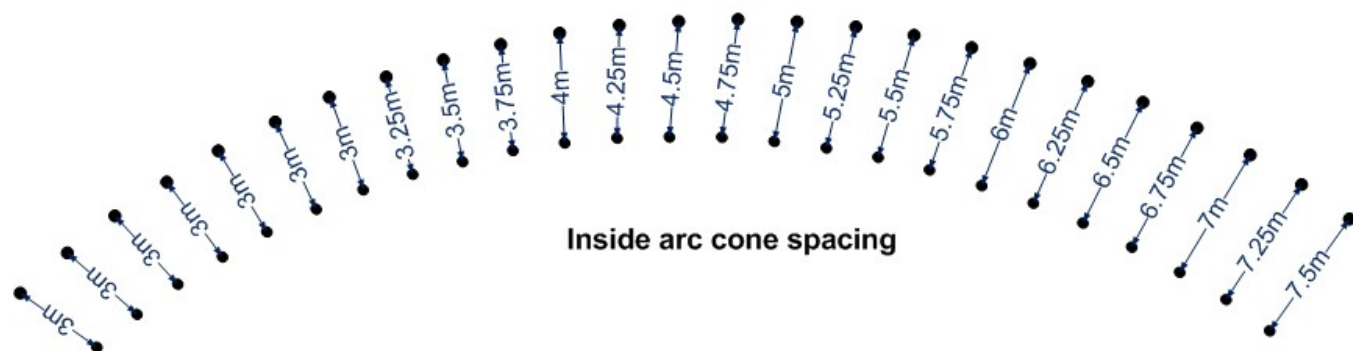


APPENDIX D

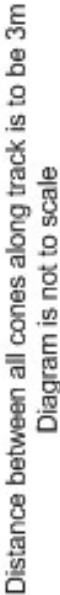
EXERCISE 6 - SETUP SHEET



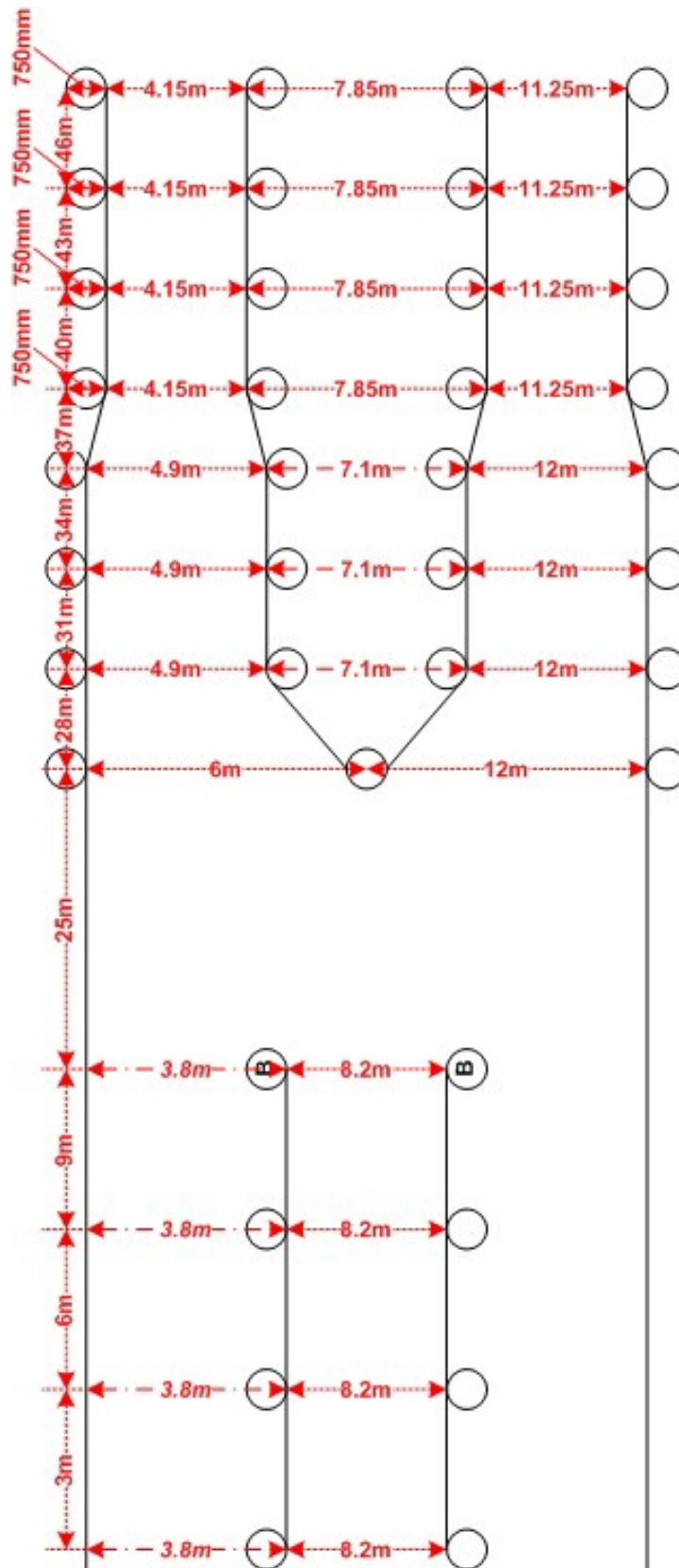
Track Officials may elect to lengthen the radius due to inclement conditions, or the track not physically being able to accommodate the prescribed dimensions



EXERCISE 7 - SETUP SHEET

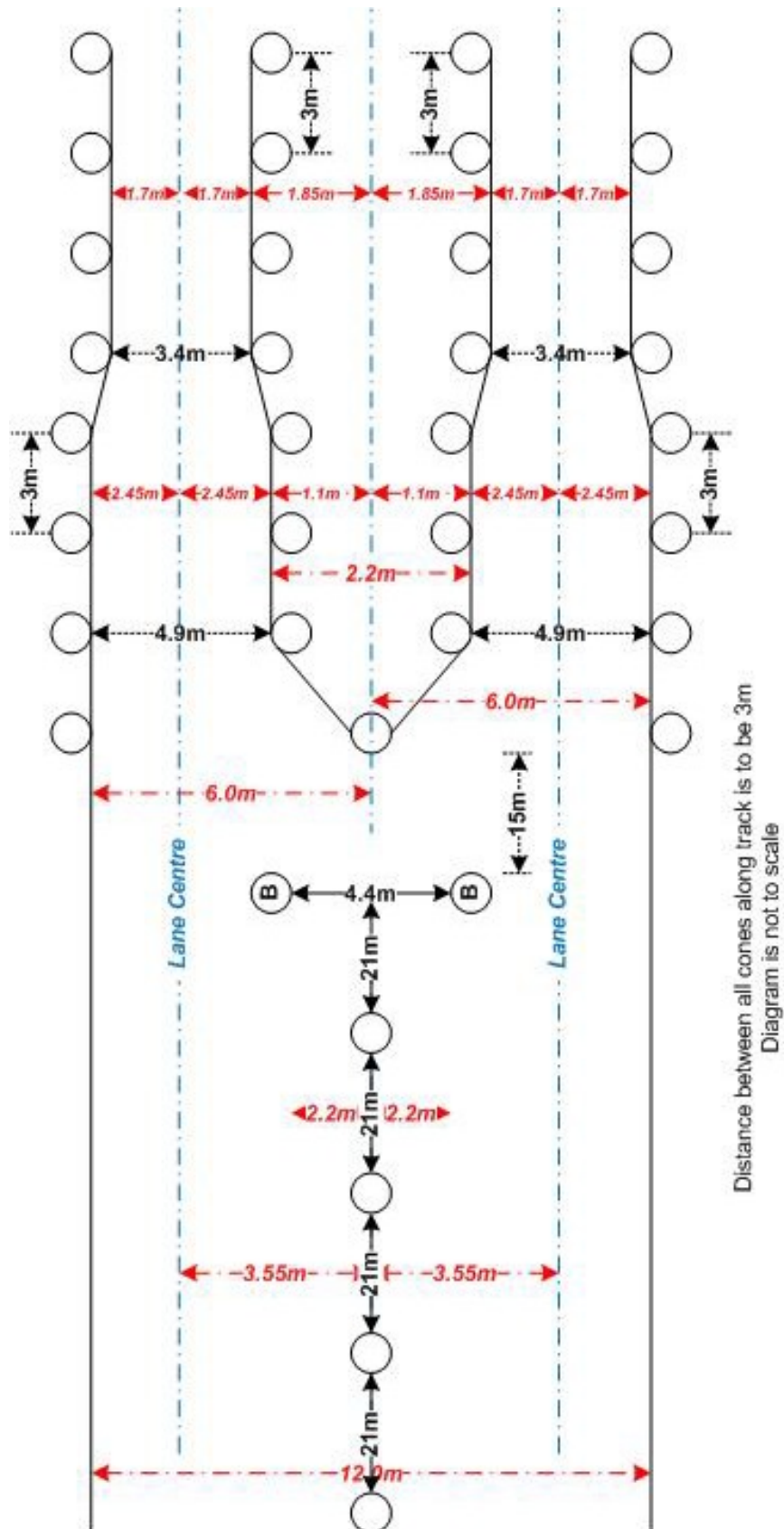


APPENDIX F **EXERCISE 7 - SETUP WALKTHROUGH SHEET**



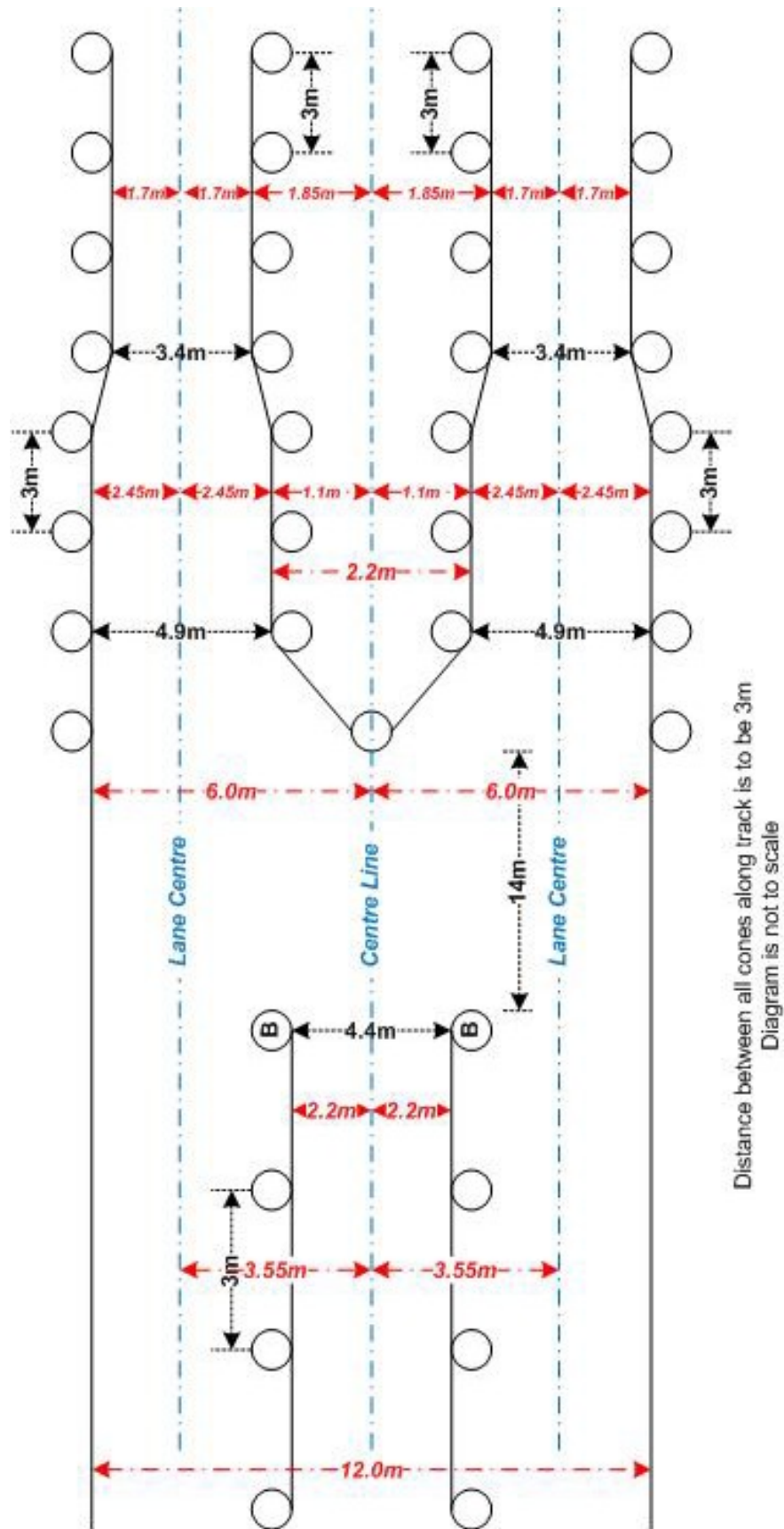
APPENDIX G

EXERCISE 8 - SETUP SHEET



APPENDIX I

EXERCISE 9 - SETUP SHEET



EXERCISE 9 - SETUP WALKTHROUGH SHEET

