



# Sanctioned Event – Targeted Risk Assessment

Form TRA-01

|              |                      |   |
|--------------|----------------------|---|
| <b>Venue</b> | Mid Murray Motorplex | <p><b>Venue application to host Southern Districts activities under the CAMS Level 1 Venue Licence.</b></p> <p>Please note:<br/>           Track ¼ &amp; 2/3 are Identified in <b>Yellow</b>,<br/>           Substitute tracks that have been checked are marked in <b>Green</b><br/>           Other Track Identified in <b>Blue</b> are not checked.</p> <p>Obstacle's such as Tree's and Rocks etc are detailed as a potential impact with vehicle.</p> <p>Tyre Barriers are referred to with the following terms<br/>           Height: Number of tyres from the Ground to the top tyre is approx. 1 Meter.<br/>           Columns: Number of tyres from left to right (1 tyre width is 1 column = approx. 0.5 meter)</p> |
| <b>Area</b>  | Gravel / Dirt Roads  |   |
| <b>Date</b>  | 15 – 6 - 2014        |   |

| <b>RISK MATRIX</b>        | <b>Consequence</b>         |                    |                       |                    |
|---------------------------|----------------------------|--------------------|-----------------------|--------------------|
|                           | <b>1<br/>Insignificant</b> | <b>2<br/>Minor</b> | <b>3<br/>Moderate</b> | <b>4<br/>Major</b> |
| <b>A - Almost Certain</b> | High                       | High               | <b>Extreme</b>        | <b>Extreme</b>     |
| <b>B - Likely</b>         | Medium                     | High               | High                  | <b>Extreme</b>     |
| <b>C - Possible</b>       | Low                        | Medium             | High                  | <b>Extreme</b>     |
| <b>D – Unlikely</b>       | Low                        | Low                | Medium                | High               |

| <b>ACTIONS REQUIRED FOLLOWING ASSESSMENT OF RISK:</b>                      |  |
|--|--|
| Extreme risk   | Immediate actions required                                 |
| High risk  | Senior Management (Senior Event Official) attention needed |
| Medium risk  | Management (Organiser) responsibility must be specified    |
| Low risk   | Manage by current procedures / continue current process    |
| <i>Note: "Management" and "Official" are considered to be like terms</i>   |  |
| <i>See reverse for descriptions of Likelihood and Consequence outcomes</i> |  |



**IDENTIFIED RISKS:**

| Description of identified Risks  | Likelihood (A-D) | Consequence (1-4) | Resultant Risk | Controls / Treatment<br>What needs to be done about it?                                       | Who will Implement? | Who will Check? | Confirmed by Stewards or Course Checker |
|--|------------------|-------------------|----------------|---|---------------------|-----------------|---|
| Track 1:<br>Distance 1.94km<br>Point 2<br><br>Short cut  | D                | 1                 | Low            | Bunting placed on outside of corner to stop short cutting                                     | MMM / Organisers    | Course Checker  |   |
| Track 1:<br>Distance 1.99Km<br>Point 3<br><br>Stop traffic from going onto next track  | A                | 3                 | Extreme        | Multiple rows of bunting with the one closest the corner as a sight tape design               | MMM                 | Course Checker  |   |
| Track 1 & 4: <a href="#">Applicable in Both Directions</a><br>Distance: 2.08Km<br>Point 4<br><br>Fence post on Left & Right side of road | C                | 2                 | Medium         | Barrier around fence post on both sides   | MMM                 | Course Checker  |   |
| Track 1:<br>Distance: 2.33Km<br>Point 5<br><br>Stone pile on left side of track  | B                | 3                 | High           | Stack of tyres or painted barrel to indicate outer edge of stone pile or remove stone pile    | MMM                 | Course Checker  |   |
| Track 1 & 4: <a href="#">Applicable in Both Directions</a><br>Distance: 2.44Km<br>Point 6 & 18<br><br>Trees located straight ahead       | B                | 3                 | High           | Tyre Barrier to be placed in front of the trees or change angle of corner away from trees     | MMM                 | Course Checker  |   |
| Track 1: <a href="#">Applicable in Both Directions</a><br>Distance: 2.59Km<br>Point 7 & 17<br><br>Tree on right side of track            | B                | 3                 | High           | Tyre Barrier to be placed to cover tree from both sides<br>Track 4 - !! Caution before corner | MMM                 | Course Checker  |   |
| Track 1 & 4:<br>Distance: 2.71Km<br>Point 8<br><br>Bump on approach to left turn. Tree on right  | C                | 3                 | High           | Remove bump or barrier around tree on right   | MMM                 | Course Checker  |   |



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|--|------------------|-------------------|----------------|--|---------------------|-----------------|---|
| Track 1 & 4: <i>Applicable in Both Directions</i><br>Distance: 3.05Km<br>Point 9, 10 & 15<br><br>Tree left and right   | C                | 2                 | Medium         | Trim tree on right to widen road or tyre Barrier to be placed around Tree on left.   | MMM                 | Course Checker  |   |
| Track 1:<br>Distance: 3.08Km<br>Point 11<br><br>Trees straight ahead   | B                | 3                 | High           | Barrier on left outside corner 9m long to direct cars away from trees  | MMM                 | Course Checker  |   |
| Track 1:<br>Distance: 3.10km<br>Point 12<br><br>Short cut on left  | D                | 1                 | Low            | Bunt across open area on left (optional)   | MMM / Organisers    | Course Checker  |   |
| Track 1 & 4: <i>Applicable in Both Directions</i><br>Distance: 3.19Km<br>Point 13<br><br>Tree straight ahead on right turn for track 1 and on right side for Track 4 | B                | 3                 | High           | Barrier around front of tree for both directions.<br>Track 1 - !! Caution Board and/or arrow before corner   | MMM                 | Course Checker  |   |
| Track 1:<br>Distance: 3.43Km<br>Point 14 & 15<br><br>Jump  | C                | 3                 | High           | ! Caution board for Jump<br>Barrier tree on left after jump  | MMM                 | Course Checker  |   |
| Track 1 & 4: <i>Applicable in Both Directions</i><br>Distance: 3.56Km<br>Point 16 & 13<br>Point 17: 30m after<br><br>Trees left and right then trees straight ahead  | B                | 3                 | High           | Barrier around trees left and right.<br>Track 1 - !! Caution board before trees<br>Track 1 - Barrier in front of trees 13m long<br>Track 4 – Remove rock on right after corner | MMM                 | Course Checker  |   |
| Track 1:<br>Distance: 3.87Km<br>Point 18<br><br>Tree on right  | C                | 3                 | High           | Barrier in front of tree on right  | MMM                 | Course Checker  |   |



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| Track 1 & 4: <a href="#">Applicable in Both Directions</a><br>Distance: 4.14km<br>Point 19 & 11<br><br>Fence post left and trees right | C                | 2                 | <b>Medium</b>  | Barrier around fence post left and barrier in front of trees on right.<br>All machinery and cars moved away from corner.<br>Site tape after gate exit to indicated direction for both tracks | MMM / organisers    | Course Checker  |   |
| Track 1:<br>Distance: 4.47Km<br>Point 20<br><br>Flying finish  | D                | 1                 | <b>Low</b>     | Flying Finish next to rock pile with officials behind rock   | organisers          | Course Checker  |   |
| Track 1:<br>Distance: 4.53Km<br>Point 21<br><br>Start and Finish road  | B                | 4                 | <b>Extreme</b> | Left turn arrow before corner.<br>Solid barrier between Start and finish roads to prevent cars from crossing to other track  | MMM                 | Course Checker  |   |
| Track 2:<br>Distance: 0.10Km<br>Point 24   | C                | 3                 | <b>High</b>    | Solid barrier between Start and finish roads to prevent cars from crossing to other track  | MMM                 | Course Checker  |   |
| Track 2:<br>Distance: 0.61Km<br>Point 25<br><br>Tracks close together  | D                | 1                 | <b>Low</b>     | Site bunting between tracks  | Organisers          | Course Checker  |   |
| Track 2:<br>Distance: 1.78Km<br>Point 26<br><br>Trees on right   | C                | 3                 | <b>High</b>    | Barrier in front of trees on right   | MMM                 | Course Checker  |   |
| Track 2:<br>Distance: 2.41Km<br>Point 28<br><br>Short cut  | D                | 1                 | <b>Low</b>     | Bunting on inside corner to prevent short cut with arrow to indicate direction   | Organisers / MMM    | Course Checker  |   |
| Track 2 & 3: <a href="#">Applicable in Both Directions</a><br>Distance: 2.75Km<br>Point 29 & 30<br><br>Tree left and right             | C                | 3                 | <b>High</b>    | Barrier around trees on left and right   | MMM                 | Course Checker  |   |



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|---|------------------|-------------------|----------------|--|---------------------|-----------------|---|
| Track 2 & 3: <i>Applicable in Both Directions</i><br>Distance: 3.02km<br>Point 31 & 2<br><br>Tree on left | C                | 3                 | High           | Barrier around trees on left   | MMM                 | Course Checker  |   |
| Track 2:<br>Distance: 3.17km<br>Point 32<br><br>Tree and rocks on left                                    | C                | 3                 | High           | Tyre barrier in front of rock on left                                    | MMM                 | Course Checker  |   |
| Track 3:<br>Distance: 1.02km<br>Point 3<br><br>Trees straight on  | B                | 2                 | High           | Barrier in front of trees for 11m  | MMM                 | Course Checker  |   |
| Track 3:<br>Distance: 1.30km<br>Point 4<br><br>Crest with right turn after                                | B                | 3                 | High           | !! caution board on crest and right arrow to indicate turn               | Organiser           | Course Checker  |   |
| Track 3:<br>Distance: 3.54km<br>Point 5<br><br>Track straight on to start/finish point                    | B                | 3                 | High           | Site bunting across track to prevent cars entering start/finish location | Organiser           | Course Checker  |   |
| Track 3:<br>Distance: 3.60km<br>Point 6<br><br>Off camber corner  | B                | 2                 | High           | ! Caution on corner  | Organiser           | Course Checker  |   |
| Track 4:<br>Distance 0.20km<br>Point 10<br><br>Stone pile   | C                | 2                 | Medium         | Barrier in front of stone pile or remove stones                          | MMM                 | Course Checker  |   |
| Track 4:<br>Distance: 0.53km<br>Point 12<br><br>Tree right  | B                | 2                 | High           | Barrier in front of tree   | MMM                 | Course Checker  |   |



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| Track 4:<br>Distance: 1.65km<br>Point 16<br><br>Right turn hard to see  | B                | 3                 | High           | ! Caution and left arrow to indicate corner  | Organiser           | Course Checker  |   |
| Track 4:<br>Distance: 3.87km<br>Point 19<br><br>Bump with road going left   | B                | 3                 | High           | Remove bump<br>Or<br>Left arrow to indicate direction with ! caution   | MMM                 | Course Checker  |   |
| Track 4:<br>Distance: 4.47km<br>Point 20<br><br>Flying Finish   | C                | 3                 | High           | Barrier on outside of intersection to prevent wide turn and possible track joining.<br>Bunting or barrier on inside to prevent cutting | MMM / Organiser     | Course Checker  |   |
| <b>Generic Risks to be mindful of:</b>  |                  |                   |                |  |                     |                 |   |
| 2 Sections of road that Track towards each other prior to turning.  | C                | 3                 | High           |  |                     |                 |   |
| Vehicles driving towards each other between the finish of Track 2 and the start of Track 1 as it uses a common piece of road. | A                | 4                 | Extreme        |  |                     |                 |   |
| Event and Stage Setup requirements  | C                | 2                 | Medium         |  |                     |                 |   |
|   |                  |                   |                |  |                     |                 |   |
|   |                  |                   |                |  |                     |                 |   |



| Likelihood         |   | Consequence                   | Personal Injury  | Administrative   |
|--------------------|---|-------------------------------|--|--|
| A - Almost certain | Action will probably occur numerous times or in many circumstances                  | 4 – Major Consequence         | Death, permanent or extensive injury requiring hospitalisation to one or more people.      | Significant hardship to Organisation                           |
| B - Likely         | Action may occur occasionally or in some circumstances                              | 3 – Moderate Consequence      | Serious injury requiring hospitalisation; broken limbs or stand down for duration of event | Significant rejigging of organisational plans required         |
| C - Possible       | Action may occur in exceptional circumstances and has been known to occur elsewhere | 2 – Minor Consequence         | Medical attention on-site or ongoing attention to injury may be required                   | Minor rearrangement of plans required to address the situation |
| D - Unlikely       | Whist theoretically possible is not known to have occurred                          | 1 – Insignificant Consequence | Minor first aid, if at all. No ongoing medical attention                                   | Localised assessment of affected issue to be considered        |

**POINTS TO REMEMBER:**

| What can cause injury or death?   |
|---|
| <ul style="list-style-type: none"> <li>▪ slips/trips</li> <li>▪ Collapse of structures</li> <li>▪ Dangerous or flammable Materials</li> <li>▪ Electrical cables</li> <li>▪ Heavy equipment</li> <li>▪ Public access / egress / behaviour</li> <li>▪ Weather (e.g. Rain / Hail / Wind / Thunderstorms)</li> <li>▪ Projectiles</li> </ul> |

| Four Risk Treatments  |
|---|
| <ul style="list-style-type: none"> <li>▪ Avoid: Don't do the activity</li> <li>▪ Treat: Reduce by use of controls</li> <li>▪ Accept: If low or if consequences can be tolerated.</li> <li>▪ Transfer: (Caution – not possible to transfer duty of care.)</li> </ul> |

| Levels of Control Methods   |
|---|
| <ul style="list-style-type: none"> <li>▪ Avoid ← Try to start here</li> <li>▪ Substitute</li> <li>▪ Isolate</li> <li>▪ Reduce by physical controls</li> <li>▪ Reduce by admin warning and rules</li> <li>▪ Use Personal Protection Equipment ← Last resort</li> </ul> |

**WHO DID YOU TALK TO IN ASSESSING AND IDENTIFYING THIS RISK?**

| Date  | Name        | Position  | Signature |
|---|-------------|---|-----------|
| 10 <sup>th</sup> May 2014<br>Designed and Drove Layouts | Jason Lange | CAMS Course Checker                                   |           |
| 10 <sup>th</sup> May 2014<br>Designed and Drove Layouts | Howard Ryan | ARCOM delegate for SA Rally Panel<br>Rally Competitor |           |
| 18 <sup>th</sup> May 2014<br>Compiled TRA               | Jason Lange | As Above  |           |
| 5 <sup>th</sup> June 2014<br>Compiled TRA               | Howard Ryan | As Above  |           |

|  |                |              |
|--|----------------|--------------|
| <b>Completed by:</b> Howard Ryan & Jason Lange | <b>Signed:</b> | <b>Date:</b> |
|--|----------------|--------------|

