Autonomous Vehicle Trial Exemption and Authorisation

Trialling organisations should address all criteria set out in the application. If some criteria are not relevant, the trialling organisation should explain in their application why the criteria does not apply.

Trialling organisations should refer to the [*Guidelines for Trials of Automated Vehicles in Australia*](http://www.ntc.gov.au/about-ntc/news/media-releases/australian-guidelines-for-automated-vehicle-trials-invite-nationwide-testing-of-new-era-technology), published by NTC Australia and Austroads in completing this application as well as the [Motor Vehicles (Trials of Automotive Technologies) Amendment Bill 2016](https://www.legislation.sa.gov.au/LZ/B/CURRENT/MOTOR%20VEHICLES%20(TRIALS%20OF%20NEW%20AUTOMOTIVE%20TECHNOLOGIES)%20AMENDMENT%20BILL%202016.aspx).

**Enquiries and completed applications be sent to:**

Ms Joanne Murray

Chair, Autonomous Vehicles Trials Advisory Committee

Department of Infrastructure and Transport

PO Box 1533, Adelaide SA 5001

**E** [joanne.murray@sa.gov.au](mailto:joanne.murray@sa.gov.au)

|  |  |  |
| --- | --- | --- |
| **1. TRIAL ORGANISATION DETAILS** | | |
| Subject | **Details** | |
| Organisation Name | *Click here to enter text.* | |
| ABN/ACN | *Click here to enter text.* | |
| Place of business | *Click here to enter text.* | |
| Respondents key contact persons | **Contact person 1** | **Contact person 2** |
| Name: | *Click here to enter text.* | *Click here to enter text.* |
| Title: | *Click here to enter text.* | *Click here to enter text.* |
| Phone: | *Click here to enter text.* | *Click here to enter text.* |
| Mobile: | *Click here to enter text.* | *Click here to enter text.* |
| Email: | *Click here to enter text.* | *Click here to enter text.* |
| Role in trial: | *Click here to enter text.* | *Click here to enter text.* |

|  |
| --- |
| 2. EXECUTIVE SUMMARY |
| **Brief summary of trial and usage case** |
| *Describe its purpose and time limits of the trial and/or timeline for deployment. Include any information of collaboration with other stakeholders.* |

|  |
| --- |
| **Trial Stages** |
| *Outline the stages or phases of the trial, and indicate the stages that this application is for.* |

|  |  |  |  |
| --- | --- | --- | --- |
| **3. TRIAL VEHICLE DETAILS** | | | |
| Subject | Details | Subject | Details |
| Make | *Click here to enter text.* | **Date of manufacture** | *Click here to enter text.* |
| Body type | *Click here to enter text.* | **Australian Identification Plate** | *Fitted / Not fitted* |
| Steering wheel location | *Left / Centre / Right / NA* | **Registration plate number** | *Write “NA” if it is not currently registered.* |
| Seating capacity | *Click here to enter text.* | **Unladen Mass** | *In kg or tonne* |
| Vehicle type | *e.g. Car / Van / Truck / bus* | **Gross Vehicle Mass (GVM)** | *In kg or tonne* |
| Power source | *e.g. petrol / diesel / electric / hybrid* | **Maximum power output** | *In kW* |
| Vehicle Identification Number (VIN) or Chassis number | | *Click here to enter text.* | |
| Accessing public roads | | *Yes / No* | |

|  |
| --- |
| **Vehicle description** |
| *Describe the trial vehicle and its automated driving system (ADS). Include information about the safe design, life of the ADS, system installation of system upgrades, sensors, switching between manual and automated modes, charging and maintenance.* |

|  |
| --- |
| **Import approval, ADRs and Safety** |
| *Describe the type of import approval issued to the trial vehicle.* |

|  |
| --- |
| **Vehicle and other exemptions (Area of non-compliance)** |
| *Describe any non-compliance of the trial vehicle with applicable legislations, such as Australian Design Rules, Australian Standards, the Road Traffic Act and its regulations, and the Heavy Vehicle National Law and Regulation.* |

**Note:** If there is more than one trial vehicle, then put details about other vehicles on a copy of this page and attach to this application with information provided in Section 9.

|  |
| --- |
| 4. MANAGEMENT OF TRIALS |
| **Trial location(s) and Operational Design Domain** |
| *Describe about the trial location(s) and attach maps if applicable. The proposed trial location must be clearly set out as well as other elements of the vehicle’s operational design domain should be described in detail. Indicate is cross-border trial if applicable.* |

|  |
| --- |
| **Description of the technology being trialled** |
| *Provide a description of the technology being trialled and the level of automation. Indicate as applicable any importation of the vehicle, remote monitoring, the vehicles specifications, speed, passenger levels and accessibility.* |

|  |
| --- |
| **Traffic management plan** |
| *Provide a traffic management plan that identifies trial’s anticipated traffic risks and mitigating actions. Give consideration to:*   * *Traffic density/vehicles* * *Speed environment* * *Pedestrians* * *Signage* * *Irregular events – construction, road detours, flooding* * *Complex intersections and merges* * *Regional variations in the road design* * *Rail-road or other interfaces.* |

|  |
| --- |
| **Infrastructure or network requirements (remote operations)** |
| *Provide information about any infrastructure or network requirements for the trial.* |

|  |
| --- |
| **Engagement with the public and other stakeholders** |
| *Provide detail on intention to engage with the public and other key stakeholders. Include how guidance and training will be provided to those stakeholders who require it.* |

|  |
| --- |
| **Managing change/compliance continuous improvement** |
| Set out change management strategy to manage changes to the vehicle, either hardware or software, infrastructure or other likely upgrades over the course of the trial.  Include how this will be communicated with operators, fall back ready users or remote operators. |

|  |
| --- |
| 5. INSURANCE |
| **Public liability insurances and other insurance covers** |
| *Describe details of appropriate insurance to protect against trial risks*  ***Note:*** *Trial applicants should note that they will NOT be covered by the South Australian Compulsory Third Party Insurance Scheme, including the Nominal Defendant, or the Lifetime Support Scheme for the costs of the death of or bodily injury to third parties in the event of a trial vehicle collision with a third party’s vehicle or person* |

|  |
| --- |
| 6. SAFETY MANAGEMENT PLAN AND MITIGATION |
| **Risk assessment and mitigation plan** |
| *Describe the risks associated with the trial and provide mitigation plans for each risk.*  *Use the provided risk register template or an equivalent document as a reference. Attach completed document.*  *Give consideration to:*   * *Security risks (e.g. cyber and physical security)* * *Risks to other road users (e.g. pedestrians, cyclists, motorcyclists and people with disabilities)* * *Risk to road infrastructure* * *Appropriate transition processes* * *Whether there is a human driver and/or operator* * *Pre-trial testing* * *Training provided for the driver or operator* * *“Fitness for duty”* * *Vehicle identifiers* * *Occupant safety* * *Interaction with emergency services* |

|  |
| --- |
| 7. DATA AND INFORMATION |
| **Minimum requirements for data and information** |

All vehicles approved under this scheme are required to be fitted with black box data recorders or equivalent system that will record information of the trials. Data that is collected must allow for reporting of incidents and provide sufficient information on location, automation status, vehicle information, traffic and environmental conditions, sensor information, incident information (type and description), video footage and driver information.

The captured data must be retained within a jurisdiction where it is readily available to DIT and/or SAPOL at all times if requested and should not be edited

The applicant must provide adequate assistance to interpret the data so that the sufficient information is readily available to DIT and/or SAPOL if requested.

The reporting of serious incidents that might attract media or SA authorities (i.e. SAPOL) attention must be reported immediately to DIT.

|  |
| --- |
| **Provision of data and information for serious incidents** |
| *Describe the mechanism for capturing and reporting of serious incidents and the data that will be collected. Ensure DIT’s AV Trials Incident and Data Protocols are complied with and that DIT has an incident reporting template.*  *Please describe how you will record data and sensor information throughout your trial. Include details what hardware (black box) will be used to record data, and what software will be required to read and interpret the data collected.*  *Include details of any current or proposed national or international information data standards (ISO, Standards Australia, IEEE etc) that will be used for the way the data is collected, recorded, formatted or transmitted.* |

|  |
| --- |
| **Provision of data and information for other incidents** |
| *Describe the mechanism for capturing and reporting of other incidents and the data that will be collected. Ensure DIT’s AV Trials Incident and Data Protocols are complied with and that DIT has an incident reporting template.*  *Please describe how you will record data and sensor information throughout your trial. Include details what hardware (black box) will be used to record data, and what software will be required to read and interpret the data collected.*  *Include details of any current or proposed national or international information data standards (ISO, Standards Australia, IEEE etc) that will be used for the way the data is collected, recorded, formatted or transmitted.* |

|  |
| --- |
| **Research information and reports** |
| *Describe other research that will be undertaken during the trial and availability of this information to DIT (i.e. passenger surveys, human/technology research).* |

|  |
| --- |
| 8. ADDITIONAL INFORMATION |
| **Any additional information (ie) validation of technology** |
| *Provide any addition information not addressed in the above criteria.* |

|  |
| --- |
| 9. TABLE OF DOCUMENTS ATTACHED |
| **List of attached documents** |
| *Provide a list of attached documents (e.g. risk register)* |

|  |  |
| --- | --- |
| 10. DECLARATION | |
| *The trial organisations agree that the information provided above is true and correct to the best of their knowledge at the time of the submission.* | |
| **Name of trial organise agent** | **Name of witness** |
| *Click here to enter text.* | *Click here to enter text.* |
|  |  |
| **Signature** | **Signature** |
|  |  |
|  |  |
| **Date** | **Date** |
| *Click here to enter text.* | *Click here to enter text.* |
|  |  |