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 these criteria should 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%28TRIALS%20OF%20NEW%20AUTOMOTIVE%20TECHNOLOGIES%29%20AMENDMENT%20BILL%202016.aspx).

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

Ms Joanne Murray

Chair, Autonomous Vehicles Trials Advisory Committee

Department of Planning, Transport and Infrastructure

PO Box 1533, Adelaide SA 5001

**T** 0414 745 899

**E** 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**  |
| *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 autonomous system capabilities.* *Include photos of the vehicle and key components (e.g. top view, side view and quarter view of the vehicle, sensors, and safety features) if possible.* |

|  |
| --- |
| **Import approval** |
| *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)**  |
| *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 level of automation. Indicate where applicable the vehicle(s) being used during the trial, importing of trial vehicles, etc. Include information on the specifications, speed, passenger levels, and accessibility. Include information on hours of operation and recharging specifications.* |

|  |
| --- |
| **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** |
| *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.* |

|  |
| --- |
| **Managing change** |
| *Set out change management strategy to manage changes to the vehicle or infrastructure or other potential/likely upgrades over the course of the trial.**(e.g. management of the vehicle, technology and recharging infrastructure)* |

|  |
| --- |
| 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 risks associated with the trial and provide mitigation plan for each risk.* *Use provided risk register template or equivalent document as a reference. Attach completed document at the end of this application with information provided in Section 9.* *Give consideration to:** *Security risks (e.g. cyber and physical security)*
* *Risks to other road users (e.g. pedestrians, cyclists, motorcycles and people with disabilities)*
* *Risks to road infrastructure*
* *Risks of system(s) failure*
* *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*
 |

|  |
| --- |
| 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 DPTI 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 DPTI 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 DPTI.

|  |
| --- |
| **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. Provide detail on how this information will be provided to DPTI. Give consideration to Minimum requirements for data and information.**Please describe how you will record data and sensor information throughout your trial. Include details of 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 to 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. Provide detail on how this information will be provided to DPTI. Give consideration to Minimum requirements for data and information.**Please describe how you will record data and sensor information throughout your trial. Include details of 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 to 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 DPTI (i.e. passenger surveys, human/technology research)* |

|  |
| --- |
| 8. ADDITIONAL INFORMATION |
| **Any additional information** |
| *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.* |
|  |  |