



## Vehicle (driving) operation

Operating vehicles on public roads, off-road and campus risks collisions with people or objects.



| Cause # | Cause description                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Speeding.                                                                                                                                                 |
| 2       | Distracted (passengers, mobile phones, navigation, looking/observing).                                                                                    |
| 3       | Distracted by unfamiliar vehicle (safety devices, controls).                                                                                              |
| 4       | Struck by unrestrained items in vehicle; damage to hazardous substances being transported causing release; improper load restraint resulting in overturn. |
| 5       | Impact by other vehicles (intoxicated drivers, reckless drivers, other members of public).                                                                |
| 6       | Poor road or weather conditions including road surfaces, fire, flood, storms.                                                                             |
| 7       | Fatigue (on-call, extended work hours, long-distance driving).                                                                                            |
| 8       | Lack of training/experience in driving 4WDs.                                                                                                              |
| 9       | Use of not fit for purpose vehicles: (off road, recovery points, poor maintenance).                                                                       |
| 10      | Driver impaired by alcohol, drugs, lack of experience or fitness.                                                                                         |
| 11      | Failure of critical vehicle components, brakes, steering, tyres.                                                                                          |
| 12      | Impact with wildlife (kangaroos, livestock, camels, etc.).                                                                                                |
| 13      | Pedestrian strike.                                                                                                                                        |

| Preventive controls (reducing likelihood)                                                                                                                                                                                                                | Critical/non critical | Cause #  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------|
| <b>(CC01) Maintenance of critical vehicle systems:</b> SCU fleet vehicles maintained as per OEM maintenance schedule.                                                                                                                                    | Critical              | 9, 11    |
| <b>(CC02) Fatigue Risk Management:</b> Restricted work hours and minimum rest periods are adhered to by all SCU employees and students driving for SCU purposes.                                                                                         | Critical              | 7        |
| <b>(CC03) Fit for purpose fleet vehicles</b> with a ANCAP rating of 5 stars.                                                                                                                                                                             | Critical              | 1, 2, 5  |
| <b>(CC04) Journey Plan:</b> Employees to complete a journey plan risk assessment for designated journeys and follow the agreed controls as part of the broader project plan (if relevant). Risk assessment and plan to be approved by Head of Work Unit. | Critical              | 6, 7, 8  |
| <b>(CC05) Cargo Restraints:</b> All cargo/equipment/tools to be restrained during transport.                                                                                                                                                             | Critical              | 7        |
| Employees to complete monthly vehicle inspection .                                                                                                                                                                                                       | Non-Critical          | 3, 9, 11 |
| All SCU employees and students must complete the University Driver Safety Induction before using a vehicle for SCU purposes.                                                                                                                             | Non-Critical          | 1 – 12   |
| Specialist 4WD training for selected employees required to drive 4WDs who are required to work remotely and 4WD.                                                                                                                                         | Non-Critical          | 6        |
| Vehicle familiarisation induction when SCU employees introduced into a new vehicle type/model.                                                                                                                                                           | Non-Critical          | 3        |
| Where possible, technological facilities such as video-conferencing and teleconferencing are to be considered as an option to reduce travel between campuses.                                                                                            | Non-Critical          | 1 – 12   |
| Mitigating controls (reducing consequence)                                                                                                                                                                                                               | Critical/non critical | Cause #  |
| <b>(CC06) First aid</b> applied as per first aid training.                                                                                                                                                                                               | Critical              | 1 – 13   |

| Potential to interact with other fatal risks |                                              |
|----------------------------------------------|----------------------------------------------|
| Critical risk                                | Potential interaction                        |
| Remote work.                                 | Delay to emergency response.                 |
| OVA.                                         | Encountering violent and aggressive drivers. |
| Wildlife.                                    | Striking wildlife when driving.              |