

Standard

C3 – Vehicles and driving

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Owner: Global head of Health, Safety, Environment and Communities		Approver: Executive Committee		Target audience: All Rio Tinto staff and each Rio Tinto Group business and function
Direct linkages to other relevant policies, standards, procedures or guidance notes: Rio Tinto management system standard, Tyre and rim Group procedure, C3 – Vehicles and Driving guidance note.				
Document purpose: To support implementation of the Group Safety policy by providing the minimum requirements for preventing injuries and fatalities while using or interacting with vehicles, underground or surface mobile mining equipment operated by Rio Tinto employees or contractors, on or off Rio Tinto operations, for Rio Tinto business purposes.				

C3 – Vehicles and driving

Scope and intent

This standard applies to employees and contractors working at all Rio Tinto business units and managed operations, through all stages of their lifecycle from exploration through to closure.

This standard applies to all vehicles, owned and operated by Rio Tinto or its contractors, which are used on Rio Tinto operations or off-site for Rio Tinto business purposes.

The intent is to prevent injuries and fatalities from:

- vehicle/vehicle interactions,
- pedestrian/vehicle interactions, and
- single vehicle incidents.

Control requirements

Requirements in this standard apply in addition to any defined in the Rio Tinto management system. At all times, the elimination of risk is the priority.

Planning

Risk analysis

- 1.1 For each type of vehicle there must be a risk assessment involving operators and maintainers that addresses all aspects of operation and maintenance for the tasks for which the vehicle is used.
- 1.2 All vehicles must be maintained in accordance with specified maintenance schedules, be fit for purpose in serviceable condition.
- 1.3 All vehicles must undergo a pre-operational safety check. The frequency and content of the pre-operational safety check must be determined by a risk assessment.

Implementation and operation

Traffic management

- 1.4 Each operation must have an approved traffic management plan.
- 1.5 All vehicle activity must be risk assessed to determine the potential for interaction between vehicles, vehicles and pedestrians, vehicles and track/rail operations and controls must be implemented to avoid inadvertent contact
- 1.6 Each surface mining operation must establish procedures for operating in designated pit areas, including that:
 - a) no vehicle can approach within 50 metres of heavy mobile equipment without first making positive contact with the operator of that equipment, and
 - b) if overtaking is permitted on site, positive contact must be made before overtaking any heavy mobile equipment.

- 1.7 In underground mining, no vehicle or person can approach heavy mobile equipment without first making positive contact with the operator of that equipment.

Journey management

- 1.8 Each operation must have a risk based journey management procedure.

Transported loads

- 1.9 Prior to loading or unloading a load that is to be or has been transported to site or transported from site, a risk assessment must be completed to ensure the load:
- a) will not shift, roll, tip over, fall or move once unsecured,
 - b) will be stable prior to unloading, and
 - c) will not inadvertently release hazardous substances or chemical energy.
- 1.10 All transported loads must be restrained or secured with devices that allow the potential stored energy to be released in a controlled manner.

Vehicles

- 1.11 All new light vehicles must as a minimum have the following safety features:
- a) electronic stability control,
 - b) anti-lock braking systems,
 - c) three point seat belt with pre tensioner, and
 - d) side, curtain and front air bags.
- Some requirements in this clause may not apply to forklifts and/or underground light vehicles.
- 1.12 All vehicles used for work purposes must be fitted with:
- a) fixed seats and safety belts for the driver and all passengers, unless a risk assessment approved by the area manager specifies otherwise,
 - b) a speedometer or like means of informing operators of vehicle speeds for vehicles capable of exceeding the lowest speed limit, and
 - c) warning devices to help prevent inadvertent interaction with pedestrians and/or objects.
- 1.13 The driver and all passengers must wear seat belts, where fitted, at all times.
- 1.14 When operating a vehicle, mobile phones and other portable electronic devices whether hands free or not must only be used by the driver of a vehicle while the vehicle is stationary and in a safe location.
- 1.15 If two way radios are to be used they must be:
- a) located so that the driver is not distracted and is able to maintain their focus on operating the vehicle, and
 - b) used in accordance with a procedure.

- 1.16 There must be a risk-based process for periodically testing the effectiveness of braking systems.
- 1.17 No vehicle is to tow equipment unless it is engineered to do so.

Tyre and rim safety

- 1.18 There must be demonstrated job competencies and safe work procedures for all tyre maintenance, servicing activities and tyre fire emergency response. The competencies must specify the frequency for re-certification, which must not exceed three years.
- 1.19 Each operation must establish a tyre management plan for tyres and rims used on heavy mobile equipment, which must:
 - a) be audited and reviewed by an independent competent person or group at least every two years, and
 - b) comply with the Tyre and rim Group procedure.

Competency

- 1.20 All persons required to drive/operate vehicles must be deemed competent and authorised to operate those vehicles.
- 1.21 There must be a process to re-assess competency at a frequency derived from a risk assessment appropriate for each vehicle/equipment type.
- 1.22 For surface mining, there must be a process in place that:
 - a) limits the number of people that drive in an open pit, and
 - b) ensures familiarisation of changes to the open pit after an absence of two weeks, or more frequently based on risk.