

### National Class I Special Purpose Vehicle Notice 2016

This document provides information on Special Purpose Vehicles (SPVs) which are approved to operate under the National Class 1 Special Purpose Vehicle Notice 2016 (National SPV Notice). Please refer to the National SPV Notice for the legal requirements of operating under this Notice.

#### Purpose of the SPV Notice

The National Class 1 SPV Notice establishes a consistent framework for SPV operations by harmonising access conditions in all participating jurisdictions. It deals with the lighter (up to 40t) and shorter (up to 14.5m long) segment of the SPV fleet. This Notice will drastically reduce the number of permits required to operate SPVs in Australia. Permits will still be required to access roads which are not part of the SPV network(s) approved by road managers.

#### What are Class I SPVs?

A SPV is a vehicle built for a purpose other than carrying goods such as a mobile crane, a concrete pump or drill rig. Agricultural vehicles and tow trucks are not SPVs. A SPV that exceeds one or more of the general mass and dimension limits set out in the Heavy Vehicle Mass, Dimension and Loading National Regulation (the National Regulation) is a Class 1 restricted access heavy vehicle.



#### SPVs operating under this Notice

This Notice applies to heavy motor vehicles which are Class 1 SPVs and which meet the conditions and requirements set out in the Notice, including state schedules. It does not apply to special purpose combinations or trailers.

#### Dimension requirements

SPVs operating under the National SPV Notice are exempt from compliance with certain prescribed dimension requirements set out in Schedule 6 of the National Regulation. However, they must meet a set of dimension requirements specified in the National SPV Notice (including its state schedules). Relevant key dimension requirements are outlined in Table 1.

TABLE 1 KEY DIMENSION LIMITS APPLICABLE IN SA

Dimension	Limit
Height	4.6m
Width for truck mounted SPVs	2.5m
Width for all other SPVs	3.1m
Length	14.5m
Projection in front of the centre of the steering wheel for Pick & Carry cranes	5.5m
Projection in front of the centre of the steering wheel for all other SPVs	3.5m
Rear Overhang (measured as the distance from the centre of the last two axles to the rear of the vehicle for 3-axle all terrain cranes)	Lesser of 4m or 90% of the wheelbase
Rear Overhang for concrete pumps meeting PBS Level 1 tail swing and low speed swept path performance (subject to conditions specified in Notice).	May exceed 4.0m without exceeding 4.5m

#### Mass requirements

##### Total vehicle mass

The total mass of a SPV must not exceed the lesser of:

- The gross vehicle mass (GVM); and
- The sum of the mass limit for each single axle and axle group on the vehicle (including mass limits related to the tyre width of the narrowest tyre on the axle); and
- 40 tonnes; and
- The mass worked out using the Gross Mass Limit Formula: **Mass in tonnes = (3 x L) + 15 ±G** where:

"L" is the distance in metres between the centre lines of the vehicle's foremost and rearmost axles; and

"±G" is a number of tonnes

- to be added at the rate of 1 tonne for each 100mm by which the ground contact width of the heaviest axle or axle group exceeds 2.5m; or
- to be subtracted at the rate of 1 tonne for each 100mm by which the ground contact width of the heaviest axle or axle group is less than 2.4m.

**Note:** 3-axle all terrain mobile cranes are exempted from compliance with the Gross Mass Limit Formula.

**Note:** In addition to the above limits, specific mass-related requirements apply to 2 and 3-axle all terrain mobile cranes in South Australia.

### Other key mass requirements

SPVs operating under the National SPV Notice are exempt from compliance with certain prescribed mass requirements set out in Schedule 1 of the National Regulation. They still must meet a set of mass requirements specified in the National SPV Notice. Relevant key mass requirements are outlined in Table 2. Please refer to the National SPV Notice for a comprehensive list of mass requirement applicable to SPVs operating under the Notice.

TABLE 2 KEY MASS LIMITS APPLICABLE IN SA

Mass	Limit
Single axle or single axle group fitted with single tyres on:	
▪ all terrain mobile cranes	12.0 t
▪ any other SPV	7.0 t
Single axle or single axle group fitted with dual tyres on:	
▪ pick and carry cranes	12.0 t
▪ any other SPV	10.0 t
Twinsteer axle group:	
▪ without a load-sharing suspension system	10.0 t
▪ with a load-sharing suspension system	16.0 t
Tandem axle group fitted with single tyres	14.0 t
Tri- axle group fitted with single tyres	18.0 t
Tandem axle group and tri-axle group fitted with dual tyres	Dependent on axle group spread and ground contact width.

## Warning lights and markings

Further to the requirements of Schedule 8 of the National Regulation that apply to all Class 1 heavy vehicles, SPV operators wishing to operate under the National SPV Notice may be required to fit their vehicles with additional warning lights and markings. These requirements are outlined in Part 5 of the National SPV Notice.



## SPV operations in South Australia

Eligible SPVs may operate under the National SPV Notice in South Australia. If operating under the National SPV Notice, a permit is not required for a SPV complying with the relevant requirements of the Notice and travelling on an approved route. Some vehicle and route conditions are specific to each state. These conditions are set out in state schedules which are part of the National SPV notice. For instance, a 'Certificate of Approval for Road Travel' issued by the Department of Planning, Transport and Infrastructure must be carried on the vehicle when operating under this notice and be produced when requested by an Authorised Officer or a Police Officer.

In South Australia, SPVs that meet the relevant mass and dimension requirements set out in the Notice and the South Australia schedule will operate on one of the two networks:

- ❖ **3-axle Crane Network**, as shown on the South Australian [RAVnet Map](#) System, for 3-axle all terrain mobile cranes.
- ❖ **40.0t Special Purpose Vehicle Network**, as shown on the South Australian [RAVnet Map](#) System, for all other SPVs operating under the National SPV notice.

**Note:** SPVs that are not eligible to operate under the National SPV Notice will continue to require an access permit to operate in South Australia.

### About the NHVR

The National Heavy Vehicle Regulator (NHVR) is Australia's dedicated independent regulator for heavy vehicles over 4.5 tonnes gross vehicle mass.

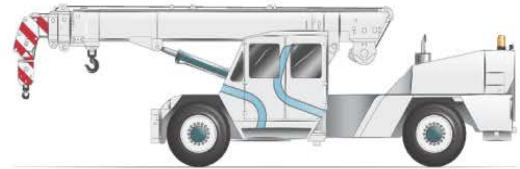
### For more information

If you have any questions about the National Class 1 SPV Notice, please contact Matthew Bereni – [matthew.bereni@nhvr.gov.au](mailto:matthew.bereni@nhvr.gov.au).

**Note: The vehicle lengths shown below are typical lengths observed in today's fleet.  
They do not represent the maximum vehicle lengths under current regulations.**

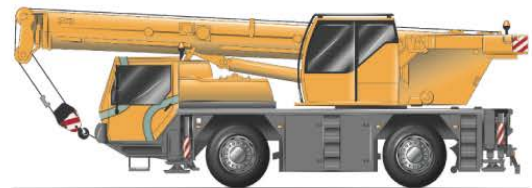
### 2-axle pick and carry crane

*Typically 10.0 m long*



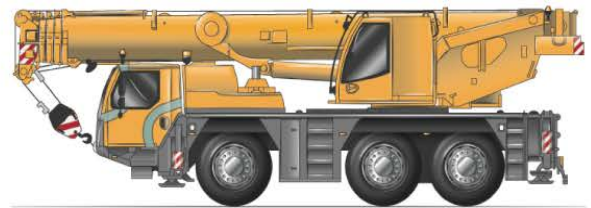
### 2-axle all terrain mobile crane

*Typically 10.2 m long*



### 3-axle all terrain mobile crane

*Typically 11.4 m long*



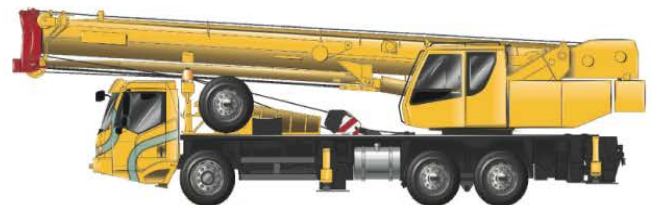
### 4-axle mobile concrete pump

*Typically 12.0 m long*



### 3-axle truck crane

*Typically 12.5 m long*



### 4-axle truck crane

*Typically 13.2 m long*

