



## New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Operator's Guide

20 September 2019

## Contents

1. Purpose .....	3
2. Definitions .....	3
3. Operating Conditions .....	3
4. Stated areas and routes .....	4
5. Areas and route conditions .....	5
6. Key contacts .....	5
7. Further information .....	8

## 1. Purpose

The New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Operator's Guide (the Operator's Guide) complements the New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Mass and Dimension Exemption Notice (the Notice).

An eligible vehicle must comply with the requirements of the Notice, including Schedule 8 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation, and the Operator's Guide.

## 2. Definitions

- (1) Unless otherwise state, words and expression used in this Operator's Guide have the same meanings as those defined in the HVNL and the Notice.
- (2) In this Operator's Guide:

**NSW Urban Zone** means the area/zone displayed as the NSW Urban Zone on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Newcastle Inner Zone** means the area/zone displayed as the Newcastle Inner Zone on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Newcastle Outer Zone** means the area/zone displayed as the Newcastle Outer Zone on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Limited Access Locations** means locations displayed as Limited Access Locations on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Limited Access Zones** means zones displayed as Limited Access Zones on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Restricted Structures** means bridges or structures displayed as Restricted Structures on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

**Restricted Structures with Conditional Access** means bridges or structures displayed as Restricted Structures with Conditional Access on the map and/or list titled 'NSW Special Purpose Vehicle Network'.

## 3. Operating Conditions

- (1) In accordance with clause 15 of the Notice, an eligible vehicle must be enrolled and monitored in the Intelligent Access Program (IAP) with Transport for NSW in accordance with Chapter 7 of the HVNL.
- (2) A current Certificate of Enrolment issued by Transport for NSW must be carried in the vehicle to which clause 3(1) of this Operator's Guide applies and be produced when requested to do so by a Police Officer or an Authorised Officer.

**Note:** A Certificate of Enrolment is issued from Transport for NSW when the vehicle is enrolled and monitored by the IAP in NSW.

- (3) An eligible vehicle must only be enrolled and monitored in the IAP in up to two SPV Level networks in accordance clause 3(1) and (4) of this Operator's Guide.
- (4) The registered operator of the vehicle (or person acting on behalf of the registered operator, including the driver) that is enrolled and monitored on more than SPV Level access network for an eligible vehicle must self-declare when travelling on the alternate network listed in Table 1, if the registered operator also has an IAP Certificate of Enrolment for the vehicle for a corresponding base network listed in Table 1. Self-declaration is required on the alternate network in accordance with the requirements in clause 3(5). Self-declaration is not required when travelling on a base network listed in Table 1.

**Table 1 – Alternate Configuration base and alternate networks**

Base Network	Alternate Network
SPV Level 6	SPV Level 4/12t per axle
SPV Level 6	SPV Level 4
SPV Level 6	SPV Level 2
SPV Level 4/12t per axle	SPV Level 4
SPV Level 4/12t per axle	SPV Level 3
SPV Level 4/12t per axle	SPV Level 2
SPV Level 4	SPV Level 3
SPV Level 4	SPV Level 2
SPV Level 3	SPV Level 2

- (5) The registered operator of the vehicle (or a person acting on behalf of the registered operator, including the driver) must self declare using a Self Declaration Input Device (SDID) certified by Transport Certification Australia (TCA) or an alternative method approved and certified by TCA. The Special Purpose Vehicle Level on the NSW Special Purpose Vehicle network must be declared by selecting “Operating under special permits” in the Comment Name field and declaring the information in the Comment text field for each of the following events:

Comment text field	Example	Events
Enter in “Start” – followed by the SPV Level number.	Start – SPV Level 2	At the start of each journey when operating on the alternate SPV access network.
Enter in “End” – followed by the SPV Level number.	End – SPV Level 2	At the end of each journey when operating on the alternate SPV access network.

## 4. Stated areas and routes

- (1) An eligible vehicle may only travel on the SPV Level 2 network.

*Note: The SPV networks may be accessed on the Roads and Maritime Services website at: [www.rms.nsw.gov.au/hv-maps](http://www.rms.nsw.gov.au/hv-maps).*

## 5. Areas and route conditions

- (1) An eligible vehicle operating under this Notice must comply with any conditions displayed as 'Travel conditions exist on this route' on the map and/or list titled 'NSW Special Purpose Vehicle Network'.
- (2) An eligible vehicle must not travel in a Clearway or Transit Lane between Monday and Friday (except on state-wide public holidays) between the hours of 6:00am and 10:00am and between the hours of 3:00pm and 7:00pm.
- (3) An eligible vehicle must not travel on any classified State Road within the NSW Urban Zone between Monday and Friday (except on state-wide public holidays) between the hours of 7:00am and 9:00am and between the hours of 4:00pm and 6:00pm.
- (4) Notwithstanding clause 5(3) of this Operator's Guide, an eligible vehicle not exceeding 3.2m in width may operate in the Newcastle Outer Zone during peak hour times specified in clause 5(3) of this Operator's Guide. An eligible vehicle exceeding 3.2m in width must not travel within the Newcastle Outer Zone on any classified State Road during the peak hour times specified in clause 5(3) of this Operator's Guide.
- (5) An eligible vehicle may travel between sunset and sunrise.
- (6) An eligible vehicle must not travel on or through a Limited Access Location or Limited Access Zone displayed as 'Limited Access Locations' or 'Limited Access Zones' on the map and/or list titled 'NSW Special Purpose Vehicle Network' if the vehicle exceeds one or more of the dimension limits as displayed on the Location or Zone and in accordance with any conditions that apply.
- (7) An eligible vehicle must:
  - (a) Not travel over a bridge or structure displayed as 'Restricted Structures' on the map and/or list titled 'NSW Special Purpose Vehicle Network'.
  - (b) Only travel over a bridge or structure displayed as 'Restricted Structures with Conditional Access' on the map and/or list titled 'NSW Special Purpose Vehicle Network' in accordance with any conditions that apply.
- (8) When travelling across a bridge, an eligible vehicle must along the centre of the carriageway at a steady speed not exceeding 10km/h.
- (9) An eligible vehicle longer than 17.0m and/or wider than 3.1m must be accompanied by at least 1 pilot vehicle for night time travel.

## 6. Approved 6-axle crane and dolly configurations

An eligible 6-axle All Terrain Crane and dolly combination exceeding 70 tonnes must comply with the following mass and internal dimension requirements listed in the tables below. These configurations have had a bridge assessment by Transport for NSW to confirm their suitability to operate on the SPV Level 2 network. The table of approved configurations will be amended from time to time as configurations have a bridge assessment by Transport for NSW to confirm their suitability to operate on the SPV Level 2 network. A 6-axle All Terrain Crane and dolly combination exceeding 70 tonnes that does not below an approved configurations in the below tables must apply for an access permit to the National Heavy Vehicle Regulator.

RMS Bridge and Structural Engineering Unit have reviewed and approved the use of tyres with a minimum section width of 406mm provided that the minimum ground contact width measurement listed in the below tables is met.

### Configuration Number 1

Configuration	Axle Number	Number of Tyres	Minimum distance from previous axle (mm)	Minimum ground contact width (mm)	Minimum tyre size (mm)	Maximum axle mass (kg)
6-axle crane	1	2		2900	445	7640
	2	2	1700	2900	445	7640
	3	2	3200	2900	445	8705
	4	2	1650	2900	445	8705
	5	2	2450	2900	445	8705
	6	2	1650	2900	445	8705
3-axle dolly	7	4	5000	2980	279	8833
	8	4	1524	2980	279	8833
	9	4	1524	2980	279	8833
Total Mass						76599

### Configuration Number 2

Configuration	Axle Number	Number of Tyres	Minimum distance from previous axle (mm)	Minimum ground contact width (mm)	Minimum tyre size (mm)	Maximum axle mass (kg)
6-axle crane	1	2		2970	445	7800
	2	2	1700	2970	445	7800
	3	2	3500	2970	445	9300
	4	2	1650	2970	445	9300
	5	2	2450	2970	445	9300
	6	2	1650	2970	445	9300
3-axle dolly	7	4	5970	2980	279	8800
	8	4	1500	2980	279	8800
	9	4	1500	2980	279	8800
Total Mass						79200

### Configuration Number 3

Configuration	Axle Number	Number of Tyres	Minimum distance from previous axle (mm)	Minimum ground contact width (mm)	Minimum tyre size (mm)	Maximum axle mass (kg)
6-axle crane	1	2		3000	445	8110
	2	2	1650	3000	445	8070
	3	2	3100	3000	445	9010
	4	2	1650	3000	445	8900
	5	2	2440	3000	445	9010
	6	2	1650	3000	445	8740
3-axle dolly	7	4	5737	3000	279	8570
	8	4	1600	3000	279	8440
	9	4	1600	3000	279	7910
Total Mass						76760

### Configuration Number 4

Configuration	Axle Number	Number of Tyres	Minimum distance from previous axle (mm)	Minimum ground contact width (mm)	Minimum tyre size (mm)	Maximum axle mass (kg)
6-axle crane	1	2		3000	445	7560
	2	2	1650	3000	445	7470
	3	2	3100	3000	445	9200
	4	2	1650	3000	445	9070
	5	2	2440	3000	445	8890
	6	2	1650	3000	445	8700
3-axle dolly	7	4	6017	3000	279	8840
	8	4	1350	3000	279	8850
	9	4	1350	3000	279	9010
Total Mass						77590

## Configuration Number 5

Configuration	Axle Number	Number of Tyres	Minimum distance from previous axle (mm)	Minimum ground contact width (mm)	Minimum tyre size (mm)	Maximum axle mass (kg)
6-axle crane	1	2		2920	445	5570
	2	2	1650	2920	445	5570
	3	2	3010	2920	445	10090
	4	2	1650	2920	445	10090
	5	2	2440	2920	445	7920
	6	2	1650	2920	445	7920
3-axle dolly	7	4	4730	3030	279	9830
	8	4	1200	3030	279	9830
	9	4	3440	3030	279	8060
Total Mass						74880

## 7. Key contacts

Key third party contacts and their contact details are available at: <https://www.nhvr.gov.au/road-access/access-management/third-parties-and-other-entities-contact-information>

## 8. Further information

Please refer to the *New South Wales Class 1 Mobile Crane and Dolly Combination Mass and Dimension Exemption Notice* which can be found at: <https://www.nhvr.gov.au/law-policies/notices-and-permit-based-schemes/state-hvnl-notices>

### For more information:

Subscribe: [www.nhvr.gov.au/subscribe](http://www.nhvr.gov.au/subscribe)

Visit: [www.nhvr.gov.au](http://www.nhvr.gov.au)

Phone: 1300 MYNHVR\* (1300 696 487)

Email: [info@nhvr.gov.au](mailto:info@nhvr.gov.au)

© Copyright National Heavy Vehicle Regulator 2017, [creativecommons.org/licenses/by-sa/3.0/au](https://creativecommons.org/licenses/by-sa/3.0/au)

Disclaimer: This fact sheet is only a guide and should not be relied upon as legal advice.  
\*Standard 1300 call charges apply. Please check with your phone provider.