



HEAVY VEHICLE NATIONAL LAW

New South Wales Class 1 4-Axle & 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2024 (No.1)

1. Purpose

The purpose of this notice is to exempt stated Class 1 heavy vehicles from the prescribed mass requirements and prescribed dimension requirements specified in the notice, subject to the conditions specified in the notice and the accompanying Operator's Guide.

2. Authorising Provision

This notice is made under section 117 of the *Heavy Vehicle National Law*.

3. Title

This notice may be cited as the *NSW Class 1 4-Axle & 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2024 (No.1)*.

4. Commencement

This notice commences 20 July 2024.

5. Expiry

This notice expires 19 July 2029.

6. Definitions

- (1) Unless otherwise stated, words and expressions used in this notice have the same meanings as those defined in the HVNL and its regulations.
- (2) A reference in this notice to a heavy vehicle includes a reference to its load except where the context or subject otherwise indicates or requires.
- (3) In this notice:

All terrain mobile crane means a special purpose vehicle that has all of the following features and requirements:

- (a) is a mobile crane with either 4 axles or 5 axles; and

- (b) has two tyres per axle; and
- (c) has at least 50% of its axles steerable; and
- (d) is not a truck mounted special purpose vehicle; and
- (e) has on road and off road capability.

Axle spacing means the distance between the centre of an axle and the centre of another axle.

Ground contact width (GCW) means:

- (a) in relation to an axle, the distance between the outermost point of ground contact of the outside tyres on each end of the axle; or
- (b) in relation to an axle group, the greatest ground contact width of all the axles in the group.

HVNL means the Heavy Vehicle National Law.

MDL Regulation means the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

Mobile crane means a heavy motor vehicle that is:

- (a) equipped with a crane or other lifting device; and
- (b) designed primarily for raising, moving and lowering a freely suspended load.

Operator's Guide means the New South Wales Class 1 4-axle and 5-axle All Terrain Mobile Crane Operator's Guide published by the National Heavy Vehicle Regulator, as amended from time to time.

SPV means a special purpose vehicle as defined in section 116 of the HVNL.

7. Application

- (1) This notice applies to a 4 or 5 axle all-terrain mobile crane operating in New South Wales.
- (2) A 4 or 5 axle all-terrain mobile crane that complies with this notice is an eligible vehicle.

8. Exemption - Prescribed mass requirements

- (1) An eligible vehicle is exempt from the following mass requirements of Schedule 1 to the MDL Regulation:
 - (a) section 2(1)(a)(iv) and 2(1)(b);
 - (b) section 4 and Table 1 (Axle mass limits table); and
 - (c) section 5(1) and Table 2 (Axle spacing mass limits general table).

9. Exemption – Prescribed dimension requirements

(1) An eligible vehicle is exempt from the following dimension requirements of Schedule 6 of the MDL Regulation:

- (a) section 3(1)(g) – Length; and
- (b) section 5(1)(c) – Rear overhang; and
- (c) section 7(1) – Width; and
- (d) section 8 – Height.

10. Conditions - Dimension requirements (General)

(1) An eligible vehicle must not exceed any of the following dimension limits:

- (a) 17.0m length; and
- (b) 3.5m width; and
- (c) 4.6m height; and
- (d) a projection in front of the centre of the steering wheel of 3.5m.

11. Conditions – Dimensions (Rear Overhang)

(1) For an eligible vehicle the maximum rear overhang must comply with the dimension limits mentioned in Table 1.

Table 1 Rear overhang dimension requirements

Type of vehicle operating under this notice	Relevant section of MDL Regulation Schedule 6	Relevant Dimension	Dimension Limit
All eligible vehicles	Section 5(1)(c)	Distance from the centre of the last two axles to the rear of the eligible vehicle.	Lesser of 4.5m or 90% of the wheelbase

12. Dimension requirements – Axle spacing and GCW

- (1) An eligible vehicle of a mass given in Column 1 operating under this notice must meet the axle spacing, axle mass limits and GCW requirements for the corresponding network specified in Column 9 of Table 2.
- (2) Network access specified in Column 9 is subject to Road Manager approval under section 17 of this notice.

Table 2 Axle Spacing for a 4 or 5 Axle All Terrain Mobile Crane

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
Maximum mass of eligible vehicle (t)	Minimum axle spacing (mm)					Maximum mass limit per axle (t)	Minimum GCW (mm)	Approved SPV Network
	Spacing between first and last axle	Axle 1 – 2	Axle 2 – 3	Axle 3 - 4	Axle 4 – 5			
Four Axle Cranes								
43.0	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 3
45.8	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 4
48.0	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 4/12t per axle
Five Axle Cranes								
50.0	6950	2200	1600	1550	1600	12.0	2650	SPV Level 4
50.0	6950	2200	1600	1550	1600	12.0	2450	SPV Level 4/12t per axle
60.0	6950	2200	1600	1550	1600	12.0	2650	SPV Level 6

13. Condition – Intelligent Access Program

- (1) An eligible vehicle that is a crane exceeding 2.5m in width must be enrolled in and comply with *Intelligent Access Program (IAP)* or *Telematics Monitoring Application (TMA)* as applied in New South Wales and as approved by Transport Certification Australia.
- (2) Pursuant to section 402(1)(a) and (b) of Chapter 7 of the HVNL, the following conditions of this notice are intelligent access program conditions:
 - (a) any condition relating to mass or dimensions; and
 - (b) any condition relating to stated areas or routes to which the authority applies, including any relating to speed or time of travel.
- (3) Pursuant to section 402(1)(c) of Chapter 7 of the HVNL, an eligible vehicle must be enrolled in and comply with an approved intelligent transport system specified in this section.

14. Conditions - General

- (1) The section width of each tyre on an eligible vehicle must be at least 406mm.

15. Disapplication of Schedule 8 of the MDL Regulation

- (1) The following provisions of Schedule 8 of the MDL Regulation are disappplied for eligible vehicles operating under this notice:
 - (a) Section 7 – Travel restrictions at night.

Note: The Operator's Guide specifies requirements relating to night travel for particular routes or areas relating to travel at night.

16. Condition - Additional requirements to section 17(2) of Schedule 8 of the MDL Regulation

In addition to the requirements set out in Schedule 8, section 17(2) of the MDL Regulation, a pattern covering an area of at least 0.16m² and consisting of diagonal stripes at least 150mm wide and alternatively coloured red and white, or black and white, must be marked on the left and right sides and extremity of any rigid projection extending more than 1.2m in front or to the rear of the body of an eligible vehicle.

17. Stated maps and areas - Approved routes and travel conditions

- (1) An eligible vehicle operating under this notice may operate on the networks specified in Table 3.

Table 3 Table of Networks

All Terrain Crane	Network
4 axle All Terrain Crane @ 43t	SPV Level 3
4 axle All Terrain Crane @ 45.8t	SPV Level 4
4 axle All Terrain Crane @ 48t	SPV Level 4/12t per axle
5 axle All Terrain Crane @ 50t	SPV Level 4
5 axle All Terrain Crane @ 50t	SPV Level 4/12t per axle
5 axle All Terrain Crane @ 60t	SPV Level 6

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