



New South Wales Class 1 4-axle and 5-axle All Terrain Mobile Crane Operator's Guide

24 June 2025

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1. Purpose

The New South Wales Class 1 4-axle and 5-axle All Terrain Mobile Crane Operator's Guide (the Operator's Guide) complements the New South Wales Class 1 4-axle and 5-axle All Terrain Mobile Crane 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 stated, words and expressions 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 section 13(2) of the Notice, an eligible vehicle must be enrolled and monitored in the Intelligent Access Program (IAP) or Telematics Monitoring Application (TMA) with Transport Certification Australia (TCA) in accordance with Chapter 7 of the HVNL.
- (2) A current Certificate of Enrolment issued by TCA 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 by TCA when the vehicle is enrolled in and monitored by the IAP or TMA in New South Wales.

- (3) An eligible vehicle must be enrolled and monitored in the IAP or TMA SPV Level network(s) in accordance with 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 one SPV Level access network for an eligible vehicle must self-declare when travelling on the SPV Level access network of operation, if the registered operator also has an IAP or TMA Certificate of Enrolment for the vehicle for a corresponding SPV Level access network. Self-declaration is required in accordance with the requirements in clause 3(5). Self-

declaration is not required if the SPV is only enrolled in one TCA SPV Monitoring Scheme and does not change configuration. Eligible vehicles operating under this notice may operate on the networks specified in section 17 of the Notice.

- (5) The registered operator of the vehicle (or a person acting on behalf of the registered operator, including the driver) that is enrolled in more than one TCA SPV Monitoring Scheme must self-declare in accordance with TCA's Scheme requirements using a user interface certified by TCA or a Self Declaration Input Device (SDID) certified by TCA or an alternative method approved and certified by TCA.
- (6) An eligible vehicle that is operating in the night-time that is –
 - a. wider than 3.2m or longer than 26.0m requires one pilot vehicle; or
 - b. wider than 3.5m or longer than 30.0m requires two pilot vehicles; or
 - c. wider than 5.5m or longer than 35.0m requires three pilot vehicles; and
 - d. equal to, or wider than, 6m or equal to, or longer than, 45.0m also requires an escort vehicle.
- (7) An eligible vehicle that is operating in the day-time that is –
 - a. wider than 3.5m or longer than 26.0m requires one pilot vehicle; or
 - b. wider than 4.6m or longer than 30.0m requires two pilot vehicles; or
 - c. wider than 5.5m or longer than 35.0m requires three pilot vehicles; and
 - d. equal to, or wider than, 6m or equal to, or longer than, 45.0m also requires an escort vehicle.

4. ARTC Level Crossings - Cross with Caution

- (1) Take precautions to NEVER STOP ON OR WITHIN THREE METRES of the railway tracks. Reduce the chance of your vehicle striking/damaging boom barriers on the level crossing by:
 - NOT entering the railway crossing unless the vehicle can be immediately driven clear of the crossing.
 - Anticipating that traffic may form a queue on the outgoing side of the crossing, preventing adequate clearance for your vehicle.
 - Allowing additional space between your vehicle and the vehicle ahead to allow additional time to respond to queuing traffic.
 - Driving at a slower speed than that of queuing traffic ahead.
 - Avoid stopping the vehicle immediately before the Level Crossing (i.e. right on stop line) when it is NOT operating (However, always stop prior if there is insufficient room to immediately drive clear).
- (2) Be prepared to stop the vehicle well in advance of the level crossing by:
 - Observing for Road signage/markings that indicate Level Crossing is approaching on road ahead.
 - On approach – slowing vehicle to below sign posted speed limit – to reduce required stopping distance.
 - Anticipating that the Level Crossing could start to operate at any time – to reduce response/reaction time.
- (3) If for some reason the vehicle breaks down and is fouling a crossing or is near a

crossing or damages a crossing or other ARTC infrastructure the first thing that must be done is to phone 000 advising the location so they can advise on next steps required.

- (4) If for some reason your load damages a crossing or other ARTC infrastructure, and is not an emergency, phone local police on 131 444 and make a report so they can advise ARTC for repair or replacement.

5. Stated areas and routes

- (1) An eligible 4-axle and 5-axle all terrain mobile crane complying with section 12 of the Notice may only travel on a network outlined in Table 3 of the Operator's Guide on a road that is approved by a participating road manager. Any access to any other routes will require a permit through the NHVR. 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

Note: The SPV networks may be accessed at: <https://maps.nhvr.gov.au/>.

6. 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 up to 17.0m in length 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 travel at a steady speed not exceeding 40km/h.

7. Urban Access Concession

- (1) To operate under the Urban Access Concession (UAC), an eligible vehicle must be enrolled in a relevant UAC scheme in the IAP or TMA with Transport for NSW.

Note: More information on mobile crane operations under the UPC can be found on the TfNSW website at [https://www.transport.nsw.gov.au/operations/roads-and-waterways/business-and-industry/heavy-vehicles/road-access/mobile-cranes#UrbanAccessConcession\(UAC\)](https://www.transport.nsw.gov.au/operations/roads-and-waterways/business-and-industry/heavy-vehicles/road-access/mobile-cranes#UrbanAccessConcession(UAC)).

- (2) An eligible vehicle operating under the UAC is exempted from section 5(1) of this Operator's Guide for the purpose of conditions applying on the Great Western Highway from the Nepean River at Emu Plains to Katoomba.
- (3) An eligible vehicle operating under the UAC is exempted from section 5(2) and 5(3) of this Operator's Guide.
- (4) An eligible vehicle operating under the UAC may operate in the following tunnels:
 - a. Cross City Tunnel from McLachlan Avenue, Rushcutters Bay to Harbour Street, Darling Harbour;
 - b. Sydney Harbour Tunnel from F1 Warringah Freeway to the Cahill Expressway;
 - c. Cahill Expressway from the Cahill Expressway Turnoff at the South end of Sydney Harbour Bridge to the Eastern Distributor;
 - d. Eastern Distributor from the Cahill Expressway to Baker Street at Kensington;
 - e. M5 East Motorway (tunnel) between King Georges Road interchange at Beverley Hills and General Holmes Drive, Mascot;
 - f. Lane Cove Tunnel from Pacific Highway to Lane Cove River at Lane Cove North.
 - g. NorthConnex (Tunnel) between M1 Pacific Motorway Wahroonga and M2 West Pennant Hills.

8. 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>

9. Further information

Please refer to the 'New South Wales Class 1 4-axle and 5-axle All Terrain Mobile Crane 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

Visit: www.nhvr.gov.au

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*Standard 1300 call charges apply. Please check with your phone provider.