



BUSINESS PAPER

**of the
Ordinary Meeting
Held**

17 June 2019

Additional Report

**Our Values: Leadership • Integrity • Progressiveness • Commitment •
Accountability • Adaptability**

Staff Reports

STRATEGIC DIRECTION D: Infrastructure for the Long Term Needs of the Community

1. NATIONAL CRANES MASS AND DIMENSION EXEMPTION NOTICE (DEES/R40-065)

Executive Summary

The NHVR has provided new NSW Crane Mass and Dimension Notices 2019 as well as National Class 1 Special Purpose Vehicle Authorisation Notice 2016 to allow the movement of mobile cranes around the Shire road network.

Report

The NHVR has provided new NSW Crane Mass and Dimension Notices 2019 as well as National Class 1 Special Purpose Vehicle Authorisation Notice 2016 to allow the movement of mobile cranes around the Shire road network. Mobile cranes play an important role in enabling construction activity, such as the construction of public infrastructure and residential homes, and performing heavy lifts of large machinery such as air conditioning units, housing frames and pools as well as recovery/salvage operations. Timely access to the road network is important as this work can often be unplanned.

Lockhart Shire receives very little applications for mobile crane access across its road network. The consenting of Council's B-Double road network to allow the SPV Network Levels 1- 6 mobile crane access is expected to have a nil impact of the Shire roads.

Legislative Policy and Planning Implications

- NSW Class 1, 4-Axle and 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019
- NSW Class 1, All Terrain Mobile Crane and Dolly Mass and Dimension Exemption Notice 2019.
- National Class 1 Special Purpose Vehicle Authorisation Notice 2016 (NSW 2019)
- National Heavy Vehicle Law (NHVL).

Integrated Planning and Reporting Reference

D1 – Our assets and infrastructure are well planned and managed to meet needs of the community now and into the future.

B1 – Our Shire is attractive and welcoming to business, industry, residents and visitors.

Budget and Financial Aspects

Nil.

Attachments

1. NHVR Information Sheets for the NSW Class 1, 4-Axle and 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019 and NSW Class 1, All Terrain Mobile Crane and Dolly Mass and Dimension Exemption Notice 2019.
2. NHVR Information Sheet for the National Class 1 Special Purpose Vehicle Authorisation Notice 2016 (NSW 2019).
3. Consent Form – NSW Class 1 All- 4 axle and 5 Axle Notice 2019.
4. Consent Form – National Class 1 Special Purpose vehicle Notice 2016 (NSW 2019).

Recommendation: That Council:

- a) Consents the Shire approved 25/26m B-Double road network to the NSW Class 1, 4-Axle and 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019, the NSW Class 1, All Terrain Mobile Crane and Dolly Mass and Dimension Exemption Notice 2019, and National Class 1 Special Purpose Vehicle Authorisation Notice 2016 (NSW 2019); and
- b) Authorises Director Engineering & Environmental Services to complete and submit Consent forms to the NHVR.

Notes:

Attachment 1. – NHVR Information Sheets for the NSW Class 1, 4-Axle and 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019 and NSW Class 1, All Terrain Mobile Crane and Dolly Mass and Dimension Exemption Notice 2019



June 2019

Information Sheet

New South Wales Class 1 4-Axle & 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019

Purpose

The purpose of the *New South Wales Class 1 4-Axle & 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019* (the Notice) is to exempt certain all terrain cranes from the mass and dimension requirements in the *Heavy Vehicle (Mass Dimension and Loading) National Regulation* (the MDL).

The Notice replaces the current New South Wales (NSW) process of issuing annual permits for these crane configurations on an approved network.

What are All Terrain Mobile Cranes?

All terrain mobile cranes are purpose built highly specialised pieces of equipment. These cranes operate in all types of environments including both on road and off. These cranes have specialised turning capabilities with the majority of wheels capable of both driving and steering allowing these vehicles to get into restricted spaces in order to get the maximum lifting capability.



Figure 1 5-Axle All Terrain Crane

All Terrain mobile Cranes operate a superior hydro-pneumatic suspension to minimise impacts on infrastructure. This suspension has been identified in the National Oversize Overmass review as a catalyst to reduce the safety factor used for both the dynamic load allowance and load certainty factor because of its above standard capabilities.

Definitions

The Notice defines an **All terrain mobile crane** as a special purpose vehicle that has all of the following features and requirements:

- is a mobile crane with either 4 axles or 5 axles; and
- has two tyres per axle; and
- has at least 50% of its axles steerable; and
- is not a truck mounted special purpose vehicle; and
- has on road and off road capability.

GVM (gross vehicle mass), of a vehicle, means the maximum loaded mass of the vehicle.

Ground contact width (GCW) means—

- 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
- in relation to an axle group, the greatest ground contact width of all the axles in the group.



Figure 2 GCW illustration

Dimension Limits

Eligible vehicles must comply with the general dimension requirements in the table below.

Table 1 Dimension Limits

Dimension	Limit
Overall length	17.0m
Rear overhang ¹	Lesser of 4.5m and 90% of the wheelbase
Width	3.5m
Projection in front of the centre of the steering wheel	3.5m
Height	4.6m

¹Rear overhang in the Notice is measured from the centre of the last two axles to the rear of the Special Purpose Vehicle (SPV).

Mass and Dimension Requirements

The table in this section summarise the minimum axle spacings, GCW and axle mass limits for eligible vehicles.

Table 2 Summary of mass and dimension requirements for network access

Maximum GVM (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			
4-Axle All Terrain Crane								
4 axle @ 43.0t	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 3
4 axle @ 45.8t	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 4
4 axle @ 48.0t	5200	1650	1900	1650	N/A	12.0	2450	SPV Level 4/12t per axle
5-Axle All Terrain Crane								
5 axle @ 50.0t	6950	2200	1600	1550	1600	12.0	2650	SPV Level 4
5 axle @ 50.0t	6950	2200	1600	1550	1600	12.0	2450	SPV Level 4/12t per axle
5 axle @ 60.0t	6950	2200	1600	1550	1600	12.0	2650	SPV Level 6

Approved Route

Eligible vehicles are authorised to operate on the state controlled roads of the specified SPV networks as shown on the [Roads and Maritime Services \(RMS\) maps](#).

Information on councils wishing to add their roads to the networks will be reflected in the *4 & 5 axle All Terrain Crane Operators Guide*.

Note:

- Operators must comply with additional conditions on approved and restricted routes on the maps.
- If travel is required on a route other than a route permitted under this Notice, a mass or dimension exemption (permit) must be obtained from the National Heavy Vehicle Regulator for travel on that route.
- This is only a information sheet, operators are encouraged to be familiar with the Notice itself as it is a legal document.

Other conditions

- The section width of each tyre on an eligible vehicle must be at least 406mm.
- An eligible vehicle must be enrolled and monitored in the Intelligent Access Program (IAP) with Transport for NSW, under an approved IAP provider.
- In addition to the requirements set out in Schedule 8, section 17(2) of the MDL, 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.
- Section 7 – Travel restrictions at night** from Schedule 8 of the MDL are dis-applied for eligible vehicles operating under the Notice.

Contact the NHVR

If operators have any further queries regarding the operation of this Notice, the NHVR may be contacted using the details below.

For more information:

Subscribe: www.nhvr.gov.au/subscribe

Visit: www.nhvr.gov.au

Phone: 1300 MYNHVR* (1300 696 487)

Email: info@nhvr.gov.au

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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.

Information Sheet

New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Mass and Dimension Exemption Notice 2019

PurposeThe purpose of the *New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Mass and Dimension Exemption Notice 2019* (the Notice) is to exempt certain all terrain cranes from the mass and dimension requirements in the *Heavy Vehicle (Mass Dimension and Loading) National Regulation (MDL)*.

The Notice authorises the use of all terrain mobile cranes up to 6-Axle towing a boom support dolly.

The Notice replaces the current NSW process of issuing annual permits for these crane configurations on an approved network.

What are All Terrain Mobile Cranes?

The Notice defines an **All terrain mobile crane** as a special purpose vehicle that has all of the following features and requirements:

- is a mobile crane with either 4 axles, 5 axles or 6 axles; and
- has two tyres per axle; and
- has at least 50% of its axles steerable; and
- is not a truck mounted special purpose vehicle; and
- has on road and off road capability; and

Boom support dolly means a dolly which assists in supporting the mass of a crane's boom when the boom has been rotated rearwards for on-road travel.

All terrain mobile cranes are purpose built highly specialised pieces of equipment. These cranes operate in all types of environments including both on road and off. These cranes have specialised turning capabilities with the majority of wheels capable of both driving and steering allowing these vehicles to get into restricted spaces in order to get the maximum lifting capability.



Figure 1 4-Axle All Terrain Crane with 3-Axle Dolly

All Terrain mobile Cranes operate a superior hydro-pneumatic suspension to minimise impacts on infrastructure. This suspension has been identified in the National Oversize Overmass review as a catalyst to reduce the safety factor used for both the dynamic load allowance and load certainty factor because of its above standard capabilities.

Dimension limits

Eligible vehicles must comply with the general dimension requirements in Table 1.

Table 1 Dimension Limits

Dimension	Limit
Overall length	26.0m
Width	3.5m
Rear Overhang	4.5m
Height	4.6m

Mass limits

An eligible vehicle must not exceed the lesser of:

- Gross vehicle mass (GVM); and
- Gross combination mass (GCM); and
- 70 tonnes for a **four and five axle** all terrain crane and dolly combinations
- 80 tonnes for **approved six axle** all terrain crane and dolly combinations (Specified in the Operators Guide); and
- The mass worked out using the **Gross Mass Limit Formula** (Mass in tonnes = $(3 \times L) + 15 \pm G$).

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

'±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
- 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.



Mass Limits for Axle Groups

The following mass limits must be met in conjunction with the overall mass limit in the previous section.

Table 2. Axle mass limits

Item No.	Type of axle or axle group	Minimum Ground Contact width of axle (metres)	Mass limit (tonnes)
1	Single axle fitted with single tyres on a) all terrain mobile cranes b) boom support dolly	Any	12.0
		Any	8.0
2	Single axle fitted with dual tyres on a boom support dolly	Any	12.0
3	Tandem axle group fitted with single tyres on a boom support dolly	Any	16.0
4	Tandem axle group fitted with dual tyres where the centre lines of the axles are at least 1.20m but less than 1.35m apart.	2.00	16.0
		2.10	17.0
		2.20	18.0
		2.30	19.0
		2.40	20.0
		2.50	20.0
		2.60	21.0
		2.70	22.0
		2.80	23.0
		2.90	24.0
		3.00	25.0
5	Tandem axle group fitted with dual tyres where the centre lines of the axles are at least 1.35m apart.	2.00	19.0
		2.10	20.0
		2.20	21.0
		2.30	22.0
		2.40	23.0
		2.50	23.0
		2.60	24.0
		2.70	25.0
		2.80	26.0
		2.90	27.0
		3.00	28.0
6	Tri-axle group fitted with single tyres on a boom support dolly	Any	18.0
7	Tri-axle group fitted with dual tyres where the centre lines of the axles are at least 1.20m but less than 1.35 m apart.	2.00	21.0
		2.10	22.0
		2.20	23.0
		2.30	24.0
		2.40	25.0
		2.50	25.0
		2.60	26.0
		2.70	27.0
		2.80	28.0
		2.90	29.0
8	Tri-axle group fitted with dual tyres where the centre lines of the axles are at least 1.35 m apart.	2.00	23.0
		2.10	24.0
		2.20	25.0
		2.30	26.0
		2.40	27.0
		2.50	27.0
		2.60	28.0
2.70	29.0		

Mass Limits for Single Axles in Axle Groups

Eligible vehicles must also comply with the mass limits set out in Table 3 for single axles in each axle group, however despite the mass limits in the below table, an All Terrain Crane fitted with tyres at least 406mm wide can be increased to 12 tonnes.

Table 3. Mass limits for single axles in axle groups

Item No.	Tyre width of the		Mass limit (t), if the axle has 2 tyres	Mass limit (t), if the axle has 4 tyres
	at least (mm)	but less than (mm)		
1	190	228	4.5	9
2	228	254	5	9.5
3	254	279	6	10
4	279	305	6.5	11
5	305	330	7	12
6	330	356	7.5	13
7	356	381	8	14
8	381	406	9	14
9	406	458	10	14
10	458	508	11	14
11	508	-	12	14

Other conditions

- The section width of each tyre on an eligible vehicle, excluding any boom support dolly must be at least 406mm.
- An eligible vehicle must be enrolled and monitored in the Intelligent Access Program (IAP) with Transport for NSW, under an approved IAP provider.
- In addition to the requirements set out in Schedule 8, section 17(2) of the MDL, 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
- Section 7 – Travel restrictions at night** from Schedule 8 of the MDL are dis-applied for eligible vehicles operating under the Notice.

Approved Route

An eligible vehicle operating under this Notice may operate on routes and networks specified in the Operator's Guide; **SPV Level 2.**

An eligible vehicle operating on any network under this section must comply any conditions specified in the Operator's Guide for that network, including:

- a) Pilot requirements;
- b) Night travel requirements.

Note:

- Operators must comply with additional conditions on approved and restricted routes on the maps.

Contact the NHVR

If operators have any further queries regarding the operation of this Notice, the NHVR may be contacted using the details below.

For more information:

Subscribe: www.nhvr.gov.au/subscribe

Visit: www.nhvr.gov.au

Phone: 1300 MYNHVR* (1300 696 487)

Email: info@nhvr.gov.au

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

Attachment 2. – NHVR Information Sheet for the National Class 1 Special Purpose Vehicle Authorisation Notice 2016 (NSW 2019)



National Class 1 Special Purpose Vehicle Notice in NSW

NSW network access improvement

Background

Special Purpose Vehicles (SPVs) play an important role in enabling construction activity, such as the construction of public infrastructure and residential homes. SPVs also perform lifts of large machinery such as air conditioning units, housing frames and pools as well as recovery/salvage operations. Timely access to the road network for these vehicles is critical, as this work can often be unplanned.

The National Heavy Vehicle Regulator (NHVR) in collaboration with Roads and Maritime Services (RMS) and the Crane Industry Council of Australia (CICA) have been working with local governments in NSW to review the current access arrangements for SPVs under 40 tonnes (a semi-trailer which can access all roads can be up to 42.5 tonnes).

These SPVs operate under the *National Class 1 Special Purpose Vehicle Notice 2016* (the Notice).

The Notice was released in 2016 aimed at providing specific network access to approximately 85% of the crane, drill rig and concrete pump fleet in Australia. In NSW, this network only allows these vehicles to travel on RMS state owned roads, and only on **a fraction of local roads**.

This means that NSW local governments are considering many unnecessarily permit requests for vehicles that can travel safely on their networks.

Road managers must also take into account that access for these vehicles is not possible on all roads. While we are seeking consent for all roads in your area, we understand that there might be some infrastructure that cannot be crossed. In these instances, we can highlight them on legally approved network maps as “do not cross structures”.

These maps will be accessible through the RMS website.

Case Study

Discussions with the SPV industry identified several small operators who run under the Notice, average about seven to nine jobs daily. This means up to nine permit applications, per operator, could involve local government roads that are not approved by the SPV notice.

Local governments will be able to significantly reduce their workload by providing consent to relevant parts of their network and assist industry in carrying their tasks efficiently.

What do I need to do?

The NHVR encourages local government road managers to review their current access arrangements for the vehicles listed in the notice (see table xxx) and provide consent to suitable parts of their network.

SPV Type (under the Notice)	Network
3 Axle All Terrain Mobile Cranes	SPV Level 3 Approved Routes
All other eligible vehicles (e.g. Pick and Carry Cranes, 2-axle All Terrain Cranes and truck mounted SPVs up to 40 tonnes).	SPV Level 1 Approved Routes

Please visit the following link for approved route(s) in your local government area
<http://www.rms.nsw.gov.au/business-industry/heavy-vehicles/maps/nsw-spv-network/index.html>

If you wish to provide access for SPVs travelling under the Notice, please utilise the consent form attached to this case.

Dimension requirements

Table 1 outlines the dimension requirements for eligible vehicles operating under the Notice.

Table 1 Key Dimension Limits

Dimension	Limit
Height	4.6m
Width	3.5m
Length	14.5m
Projection in front of the centre of the steering wheel for any SPV but mobile cranes.	3.5m
Projection in front of the centre of the steering wheel for mobile cranes	5.5m
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

Mass limits in the Notice are capped at 40t and are controlled by the formula below.

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; and
- 40 tonnes; and
- The mass worked out using the Gross Mass Limit Formula: $\text{Mass in tonnes} = (3 \times L) + 15 \pm G$

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 in NSW.

Axle group mass limits

Eligible SPVs operating under the Notice are also subject to the following axle group limits.

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

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

Warning lights and markings

Further to the requirements of Schedule 8 of the *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* that apply to all Class 1 heavy vehicles, SPV operators wishing to operate under this Notice must fit their vehicles with additional warning lights and markings. These requirements are outlined in Part 5 of the Notice.

SPV operations in NSW

The NHVR published this SPV notice in 2016 in consultation with all state road authorities including Roads and Maritime Services in NSW. A number of NSW councils have already approved the majority if not all their roads for SPV access under this Notice. Some vehicle and route conditions are specific to each state. These conditions are set out in state schedules which are part of the SPV Notice. For instance, Roads and Maritime has requested that a mobile crane exceeding 2.50 metres in width be enrolled and monitored in the Intelligent Access Program (IAP) to operate under this Notice.

In NSW, SPVs meeting the relevant mass and dimension requirements set out in the Notice and the NSW schedule will be able to operate on two networks:

- **SPV Level 3 Approved Routes** for 3-axle all terrain cranes.
- **SPV Level 1 Approved Routes** for SPVs other than 3-axle all terrain cranes.

A vehicle that exceeds 4.3 metres high but not 4.6 metres in height must only travel on routes that are also approved for 4.6 metre high vehicles as displayed on the map and/or list titled 'NSW Special Purpose Vehicles Network'.

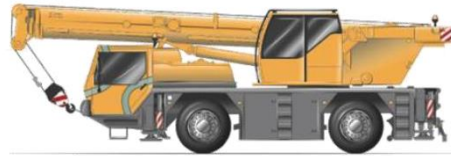
Eligible Vehicles under Notice

Note: The 6-axle short combination is shown for reference only. 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



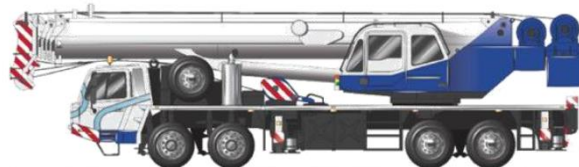
4-axle mobile concrete pump
Typically 12.0 m long



3-axle truck crane
Typically 12.5 m long



4-axle truck crane
Typically 13.2 m long



Short combination
Typically 18.0 m long





More information

Please contact Nick Galton on 07 3309 8580 or nick.galton@nhvr.gov.au for any enquiries.

Attachment 3. – Consent Form – NSW Class 1 All- 4 axle and 5 Axle Notice 2019



Road Manager Network Consent Form

Heavy Vehicle National Law Section 118(1)(b)

Network Consent Confirmation

This form is a request to road managers for consent to allow mobile cranes access to roads under the conditions of the following Notices

- NSW Class 1, 4-Axle and 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019
- NSW Class 1, All Terrain Mobile Crane and Dolly Mass and Dimension Exemption Notice 2019.

Mobile cranes play an important role in enabling construction activity, such as the construction of public infrastructure and residential homes, and performing heavy lifts of large machinery such as air conditioning units, housing frames and pools as well as recovery/salvage operations. Timely access to the road network is important as this work can often be unplanned.

What do road managers need to do?

Road managers are asked to complete the road manager consent request for each Special Purpose Vehicle (SPV) network listed below. This is done in two steps:

1) By adding roads on existing SPV networks; where possible, Road Managers may consent to roads that are already approved under networks for other vehicles. This may be done by using Table 1; for the stated SPV networks in Column 1 and vehicle categories in Column 2, ticking boxes next to relevant networks in Column 3. For example, use this process to add GML/CML 25/26m B-double approved roads to the SPV Level 4 network.









2) By adding completely new routes to the SPV network; if required completely new routes can be added to any SPV network by filling out the Approved Individual Routes form in Attachment – Approved Individual Routes.

If a road manager wishes to specify any restricted structures for any of the networks provided in steps 1 or 2, this can be done by also completing **Attachment B**. After completing steps 1 and 2, sign the Written Statement of Road Manager Consent below and return it to RMconsent@nhvr.gov.au.

Special Note: 6 axle crane and dolly combinations

In Table 1, the SPV Level 2 network includes 6-Axle All Terrain Crane & Dolly up to 80 tonnes. Note that the 80t limit is a maximum, and access will in practice be restricted to approved combinations **strictly approved** by TfNSW Bridge Assessment Team. The list of specified combinations will be included in the Operator's Guide, and may be amended from time to time. However, GCM for any combination will not exceed the 80t requested under this form. As an indication of the combinations that may be included, an extract of the current Operator's Guide is attached.

Table 1 Road Manager consent to add routes to SPV networks

Column 1	Column 2	Column 3
SPV Network	Eligible vehicles for network	
SPV Level 3	 4-Axle All Terrain Crane up to 43 tonnes	<input type="checkbox"/> Consent – All Roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – HML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – Individual Roads (Please complete Attachment A) <input type="checkbox"/> Decline
SPV Level 4	 4-Axle All Terrain Crane up to 45.8 tonnes  5-Axle All Terrain Crane up to 50 tonnes	<input type="checkbox"/> Consent – All Roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – HML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – Individual Roads (Please complete Attachment A) <input type="checkbox"/> Decline
SPV Level 4/12 tonnes per axle	 4-Axle All Terrain Crane up to 48 tonnes  5-Axle All Terrain Crane up to 50 tonnes	<input type="checkbox"/> Consent – All Roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – HML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – Individual Roads (Please complete Attachment A) <input type="checkbox"/> Decline
SPV Level 6	 5-Axle All Terrain Crane up to 60 tonnes	<input type="checkbox"/> Consent – All Roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – HML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – Individual Roads (Please complete Attachment A) <input type="checkbox"/> Decline
SPV Level 2 Note: This is a new network, with special restrictions for approved 6-axle all terrain crane and dolly combination.	 4 or 5-Axle All Terrain Crane & Dolly up to 70 tonnes  6-Axle All Terrain Crane & Dolly up to 80 tonnes	<input type="checkbox"/> Consent – All Roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – HML 25/26m B-double Approved Roads <input type="checkbox"/> Consent – Individual Roads (Please complete Attachment A) <input type="checkbox"/> Decline

Written Statement of Road Manager Consent

- The Road Manager consents to the heavy vehicle access described in this Road Manager Consent Form, and the Road Manager Delegate holds an appropriate delegation to sign for this consent on behalf of the Road Manager.

Name of Road Manager Delegate

Road Manager e.g. Council Name

Signature

Road Manager Delegate Title / Position

- If providing an electronic signature please consent to the following:
I accept the electronic signature has the same status as a signed signature.

Date Signed

The National Heavy Vehicle Regulator's privacy practices are regulated by the *Information Privacy Act 2009 (Qld)*. For more information, contact the Office of the Information Commissioner (www.oic.qld.gov.au).

Attachment A - Approved Individual Routes

SPV Network	Road Number	Road Name	Start location description – if relevant (for instance, intersected road name or GIS location)	End location description – if relevant (for instance, intersected road name or GIS location)	Conditions (road specific, if any)/comments
Choose an item.					
Choose an item.					
Choose an item.					
Choose an item.					
Choose an item.					
Choose an item.					
Choose an item.					
Choose an item.					
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Attachment B - Restricted Structures (if applicable)

Network	Road Name	Latitude	Longitude	Structure Number	Structure ID	Structure Name	Bridge over road or Bridge under road - if relevant	Bridge type (e.g. timber, girder) - if relevant	Suburb/location	Comment	Description
Choose an item.											
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Attachment 4. – Consent Form – National Class 1 Special Purpose vehicle Notice 2016 (NSW 2019)



Road Manager Network Consent Form

Heavy Vehicle National Law Section 118(1)(b)

Network Consent Confirmation

Special purpose vehicles play an important role in enabling construction activity, such as the construction of public infrastructure and residential homes, and performing lifts of large machinery such as air conditioning units, housing frames and pools as well as recovery/salvage operations. Timely access to the road network is critical as this work can often be unplanned.

Road manager participation in this notice will provide these vehicles with timely access to where they are needed. This notice also provides several conditions to mitigate any risks that these vehicles may pose.

The Notice applicable to this consent request is the *National Class 1 Special Purpose Vehicle Notice 2016*.

What do road managers need to do?

Road managers are asked to:

- Complete the road manager consent request for each Special Purpose Vehicle (SPV) network listed in the table below.
Please note: if a road manager selects to provide road manager consent for individual roads these roads will need to be detailed by completing **Attachment A**.
- If a road manager wishes to specify any restricted structures for any of the networks this can be done by also completing **Attachment B**.
- Sign the Written Statement of Road Manager Consent below and return to RMconsent@nhvr.gov.au.

Priority roads/areas





When considering roads and areas for which SPV access will be granted within your area of responsibility, consideration needs to be given to general access for the approved vehicles under this notice. Any at risk infrastructure can be marked as do not cross structures on the approved maps.

SPV network in NSW

In NSW, the SPV network will consist of two layers:

- **SPV Level 1 Approved Routes** for all other SPVs covered under the SPV notice
- **SPV Level 3 Approved Routes** network for 3-axle all terrain mobile cranes

Confirmation of Consent

Network	Eligible vehicles for network	Road Manager Consent
<p>SPV Level 1</p>	<p>2-axle pick and carry crane <i>Typically 10.0 m long</i></p> 	<p> <input type="checkbox"/> Consent – All roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double approved roads <input type="checkbox"/> Consent – HML 25/26m B-double approved roads <input type="checkbox"/> Consent – Individual roads (please complete Attachment A) <input type="checkbox"/> Decline </p>
	<p>2-axle all terrain mobile crane <i>Typically 10.2 m long</i></p> 	
	<p>4-axle mobile concrete pump <i>Typically 12.0 m long</i></p> 	
	<p>3-axle truck crane <i>Typically 12.5 m long</i></p> 	
	<p>4-axle truck crane <i>Typically 13.2 m long</i></p> 	
<p>SPV Level 3</p>	<p>3-axle all terrain mobile crane <i>Typically 11.4 m long</i></p> 	<p> <input type="checkbox"/> Consent – All roads <input type="checkbox"/> Consent – GML/CML 25/26m B-double approved roads <input type="checkbox"/> Consent – HML 25/26m B-double approved roads <input type="checkbox"/> Consent – Individual roads (please complete Attachment A) <input type="checkbox"/> Decline </p>

Written Statement of Road Manager Consent

- The Road Manager consents to the heavy vehicle access described in this Road Manager Consent Form, and the Road Manager Delegate holds an appropriate delegation to sign for this consent on behalf of the Road Manager.

Name of Road Manager Delegate

Road Manager e.g. Council Name

Signature

Road Manager Delegate Title / Position

- If providing an electronic signature please consent to the following:
I accept the electronic signature has the same status as a signed signature.

Date Signed

The National Heavy Vehicle Regulator's privacy practices are regulated by the *Information Privacy Act 2009 (Qld)*. For more information, contact the Office of the Information Commissioner (www.oic.qld.gov.au).

Attachment A - Approved Individual Routes

Network	Road Number	Road Name	Start location description – if relevant (for instance, intersected road name or GIS location)	End location description – if relevant (for instance, intersected road name or GIS location)	Conditions (road specific, if any)/comments
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Attachment B - Restricted Structures (if applicable)

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