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### ROAD TRANSPORT (VEHICLE REGISTRATION) REGULATION 2017 ORDER

I, Sally Webb, Deputy Secretary, Safety, Policy, Environment & Regulation, Transport for NSW, pursuant to the definition of 'TfNSW standard compliance specifications' contained within the Dictionary of the *Road Transport (Vehicle Registration) Regulation 2017* (the Regulation), do, by this Order, declare VSCCS Bulletin No. 2 (attached) to be specifications to determine compliance with the applicable vehicle standards for the purposes of clause 64 or 85 of the Regulation.

By this order, VSCCS Bulletin No. 2 may also be relied upon to demonstrate that a vehicle complies with the applicable vehicle standards for the purposes of clause 65 of the Regulation.

Sally Webb

Deputy Secretary, Safety, Policy, Environment & Regulation Transport for NSW

Dated 25 September 2024

### **VSCCS Bulletin No. 2**

### Modified or individually constructed vehicles

Means to demonstrate compliance with the Third Edition of the Australian Design Rules

Vehicle Safety Compliance Certification Scheme

Version 4 September 2024 – supersedes July 2018

### **Preface**

This Bulletin outlines the means Transport for NSW (TfNSW) will accept for demonstrating compliance with the mandatory Australian Design Rules (ADRs) for light vehicles with a Gross Vehicle Mass (GVM) of 4.5 tonnes or less.

This Bulletin outlines the different methods which can be used as alternatives to tests that are impracticable in enabling a modified or an individually constructed vehicle (ICV) to be certified in accordance with the *Road Transport (Vehicle Registration) Regulation 2017* (the Regulation) and the Vehicle Safety Compliance Certification Scheme (VSCCS).

This Bulletin is supported by the NSW Vehicle Standards Working Group (**VSWG**) ensuring industry and user stakeholders are represented in developing vehicle standards and policies in NSW. The **VSWG** is co-chaired by TfNSW and the Australian Confederation of Motor Clubs and comprises representatives of the:

- NSW Police Force
- NRMA Motoring & Services
- Motorcycle Council of NSW
- Australian Confederation of Motor Clubs\*
- Confederation of Australian Motor Sports Ltd
- Four (4) Wheel Drive NSW & Act Inc
- Council of Heritage Motor Clubs NSW Incorporated
- Australian Aftermarket Automotive Association
- VSCCS licensed certifiers
- Institute of Automotive Mechanical Engineers
- Motor Traders Association
- Australian Street Rod Federation

Version 1 of this Bulletin was first published in November 2012 and issued as **VSCCS Bulletin 2**. It was revised and updated following **VSWG** feedback and Version 2 was gazetted as an Authority **Standard Compliance Specification** on 19 May 2017. The major changes in this fourth version are the inclusion of the following:

- ADR 86/00 Parking Lamps.
- ADR 87/00 Cornering Lamps.
- ADR 88/00 Electronic Stability Control Systems (ECS).
- ADR 89/00 Brake Assist Systems (BAS).
- ADR 90/00 Steering Systems.
- ADR 91/00 Rear Underrun Impact Protection.
- ADR 92/00 External Projections.
- ADR 93/00 Forward Field of View.
- ADR 94/00 Audible Warning.
- ADR 95/00 Installation of Tyres.
- ADR 96/00 Commercial Vehicle Tyres.
- ADR 97/00 Advanced Emergency Braking for Omnibuses and Medium and Heavy Goods Vehicles.
- ADR 98/00 Advanced Emergency Braking for Passenger Vehicles and Light Goods Vehicles.
- ADR 99/00 Lane Departure Warning Systems.
- ADR 105/00 Blind Spot Information Systems.
- ADR 106/00 Side Underrun Protection.
- ADR 108/00 Reversing Technologies.

- ADR 109/01 Electric Power Train Safety Requirements.
- ADR 110/00 Hydrogen-Fuelled Vehicles Safety Related Performance.
- ADR 111/00 Advanced Emission Control for Light Vehicles.
- ADR 112/00 Control of Real Driving Emissions for Light Vehicles.
- ADR 113/00 Acoustic Vehicle Alerting Systems for Quiet Road Transport Vehicles.

This version also includes the following:

- Introduction of the Commonwealth Road Vehicle Standards Act 2018 and alternative options for evidence of compliance.
- ADR 18/03 Instrumentation changes to the test speed range and concession on maximum test speed.
- The gazetted Transport for NSW Standard Compliance Specification 'Interim NSW Vehicle Emissions Test Procedure for Modified and Individually Constructed Vehicles' as an alternative to ADR 79/04 Emission Control for Light Vehicles.
- The 'Alternative Compliance Process for the Drive by Noise Test Requirements of ADR 83/00' (See Appendix A).
- A reference to the procedure for VSCCS licensed certifiers "Using manufacturers approved aftermarket components in modified light vehicles" has been included.

The following link provides access to older versions of this Bulletin: <u>Transport for NSW Standard Compliance</u> Specifications

### **Introduction and Legal Framework**

Each NSW registered vehicle (including those that have been modified) must meet the mandatory vehicle standards requirements under the Road Transport (Vehicle Registration) Regulation 2017 (the Regulation), including applicable Australian Design Rules (ADRs).

This Standard Compliance Specification is made under clause 64(2)(a) of the Regulation for registered light vehicles, clause 65 for ICV, and clause 85 for certification purposes.

Each vehicle modification (whether or not listed in the gazetted Vehicle Certification Scheme Declaration of Modification or Class of Modification Order 2013, ie the Order) has the potential to adversely affect one or more ADRs and reduce vehicle safety. A modification affecting an applicable ADR, unless exempted by TfNSW, requires assessment and certification by a VSCCS Licenced Certifier before the vehicle can be registered.

This Bulletin may be utilised to demonstrate that a modified light vehicle or an ICV complies with the applicable vehicle standards for its date of manufacture.

### Notes:

- this Bulletin remains a live document and is subject to change in response to practical feedback and changes to vehicle standards or NSW legislative requirements.
- Clauses 64 and 85 of the Regulation provide that a light vehicle or modification to a light vehicle is taken
  to comply with the applicable vehicle standards if the vehicle complies with a TfNSW standard compliance
  specification.

Clause 65 of the Regulation provides that TfNSW may publish guidance material on how a person may demonstrate that a vehicle complies with the applicable vehicle standards.

The Dictionary to the Regulation provides that a TfNSW standard compliance specification is to be made by order published in the Gazette.

### Means to demonstrate compliance with the Third Edition of the Australian Design Rules

This Bulletin outlines the alternative methods of demonstrating compliance with certain Australian Design Rules (ADRs) that TfNSW will accept for modified ADR-complying vehicles and for ICVs. The Bulletin does not provide exemption from any part of an applicable ADR, except where an exemption is explicitly noted (e.g. ADR 81/02) nor does it diminish the requirements specified in the ADRs.

Alternative methods of demonstrating compliance typically apply to those ADRs which require destructive testing, or unrealistic tests for the verification of an individual vehicle. Where alternatives are provided for testing, all other requirements of the ADR still apply. Where alternatives are not provided for an ADR, then the full extent of the ADR applies.

This Bulletin does not state specific means of demonstrating compliance with ADRs. Instead, guidance can be obtained in documents such as Vehicle Standards Bulletins (VSBs), Vehicle Standards Guides (VSGs), Vehicle Standards Information sheets (VSIs), Vehicle Inspector's Bulletins (VIBs), and Technical Specifications.

This Bulletin provides guidance to VSCCS licensed certifiers assessing and certifying vehicles for compliance with the requirements of the *Road Transport* (Vehicle Registration) Regulation 2017.

The table on the following pages lists the current Third Edition ADRs and the alternatives accepted for demonstrating compliance with them. The alternatives may also be applied to vehicles manufactured to earlier editions and versions of the ADRs.

Vehicles manufactured prior to the introduction of ADRs need only comply with the vehicle standards applicable to them at their date of manufacture, except where legislation or established policies require compliance with a specified ADR. An example of this is **VSB.05** *Manufacture and Installation of Additional Seats*, which requires that when new seats are installed into a vehicle, it must have new seatbelts fitted in accordance with the applicable ADRs.

The following abbreviations are used in this Bulletin:

- VSI Vehicle Standards Information, issued by Transport for NSW or its predecessor to provide guidance and direction on means to comply with the Regulation.
- VSB Vehicle Standards Bulletin, issued by the (Commonwealth) Department of Infrastructure, Transport,
  Regional Development, Communications and the Arts (The Department), or its predecessor on behalf of the
  Australian Motor Certification Board as a code of practice relating to a particular subject, and which is an
  acceptable means of demonstrating compliance with ADRs.
- VSG Vehicle Standards Guide that provide advice on a range of issues about heavy vehicle standards and modifications. These are published by the National Heavy Vehicle Regulator (NHVR).
- VIB Vehicle Inspector's Bulletin, issued by Transport for NSW or its predecessor, used for informing changes concerning inspection procedures or requirements prior to formally updating the Authorised Inspection Station (AIS) Rules manual.

Technical Specifications are issued by Transport for NSW or its predecessor on safety specifications for public and school buses including the requirements for doors, seats, padding, internal partitions, handrails, warning signs and lighting systems.

### Schedule 1

### Alternative means for demonstrating compliance with certain Australian Design Rules

### **SUMMARY**

This schedule establishes alternative means to physical tests that can be used to demonstrate compliance with Australian Design Rules (ADRs) as specified in the table **Means to Demonstrate Compliance with Third Edition Australian Design Rules**. It applies to modified vehicles originally manufactured to ADRs and **individually constructed vehicles (ICVs)**. It applies only to those ADRs that are unrealistic to perform on an individual vehicle.

There are additional alternatives accepted from the Road Vehicle Standards (Model Reports— Compliance with Standards) Determination 2021 (The Determination) published by the (Commonwealth) Department of Infrastructure, Transport, Regional Development, Communications and the Arts (The Department).

### INTRODUCTION

The *Road Transport (Vehicle Registration) Regulation 2017* (the *Regulation*) requires all new vehicles to comply with the applicable standards current at their date of manufacture and for all registered vehicles, including modified vehicles, to continue to comply with these standards.

For vehicles manufactured prior to 1969, the vehicle standards were specified in the **Consolidated Draft Regulations**; while for vehicles manufactured after 1968, the standards are the ADRs.

The Second Edition ADRs were introduced on 1 January 1969, and the Third Edition on 1 July 1988 and are still current.

Individually constructed vehicles (ICVs) and modified vehicles must be assessed by a **VSCCS** *Licensed Certifier* for compliance with these standards and be certified accordingly.

### **USE OF ALTERNATIVE TYPES OF EVIDENCE**

The *Road Vehicle Standards Act 2018* (*RVSA*) requires all vehicles supplied for sale to the Australian market, or used in transport in Australia, to comply with the applicable ADRs current at their date of manufacture. The **Department**, which administers the *RVSA* and ADRs, acknowledges that it may not be reasonably practicable to insist on subjecting certain vehicles to potentially damaging or excessively costly tests, and has introduced alternative procedures and evidence that may be used to demonstrate compliance with the ADRs.

There are two types of evidence that may be submitted instead of testing to indicate compliance of a vehicle or component with an ADR. The type of alternative evidence used to demonstrate compliance with a particular ADR must be allowed for that ADR.

Note: The term 'component' includes an item or a system.

When relying on alternative types of evidence to determine compliance with an ADR, the VSCCS Licensed Certifier must:

- Verify the component is compatible with the host vehicle
- Assess the condition of the subject vehicle to confirm its suitability for properly accommodating the component
- Verify the component was installed in accordance with specifications of the component manufacturer where provided.

The certificate produced by a licensed certifier must be vehicle specific and refer to these items. The use of general descriptions and references to nominal standards will only be accepted as background advice and not as the principal evidence. Detailed records of the evidence used in determining a vehicle's compliance with ADRs must be kept and made available to TfNSW upon request.

### **TYPES OF EVIDENCE**

### Detailed assessment

Where permitted, evidence may be based on a detailed assessment involving a direct comparison with a component or system from another vehicle known to comply with the related ADR. Either the part number/s must be the same as for a standard production vehicle that complies with the ADR, or a substantial comparison of the physical dimensions of the parts must be made, including reference to their source showing they are the same as in the vehicle under consideration.

The detailed assessment must include physical observations and measurements of all main parts on the reference vehicle and the subject vehicle with. Where there is any doubt, assessment must be made of the relative physical properties of the materials used.

Refer to the procedure for VSCCS licensed certifiers 'Using manufacturers approved aftermarket components in modified light vehicles' for further guidance:

<u>Using manufacturers approved aftermarket components in modified light vehicles - Procedure for VSCCS licensed certifiers (nsw.gov.au)</u>

### Calculation

Where permitted, evidence may be provided by calculation based on a comprehensive stress analysis incorporating the forces specified in the ADR, which includes a professional analysis of all the likely modes of failure. The calculations must have proper regard to the interaction and combination of shear and bending forces. Overly simplistic assumptions about the behaviour of sheet metal must not be made where thin metal sections are involved in combination with high local stresses. The calculations must take into account the condition of the vehicle in which the component is being installed and confirm that it is capable of withstanding the forces specified in the ADR.

The calculations must show, that in practical engineering terms, the installed component and subject vehicle meet the requirements of the ADR. Calculations that are not substantial will not be accepted - such as using simple calculations for a complex matter or neglecting to include an appraisal of the host vehicle.

### **Further Information**

### **NSW Legislation**

www.legislation.nsw.gov.au

### **Transport for NSW**

For Information & advice related to vehicle registration, permits & driver/rider licenses

https://www.roads-waterways.transport.nsw.gov.au | T: 13 22 13

### **Technical enquiries**

For Information & advice related to vehicle construction, modification, and registration requirements in NSW.

T: 1300 137 302

E: technical.enquiries@transport.nsw.gov.au

### **Vehicle Standards**

T: 1300 302 402

### TfNSW Vehicle Safety and Compliance Certification Scheme (VSCCS)

For Information & advice related to VSCCS Licensed Certifiers.

VSCCS | E VSCCS@transport.nsw.gov.au | T 1300 336 206

### Service NSW (SNSW)

To register a vehicle, apply for a permit and to apply for a driver or rider licence

https://www.service.nsw.gov.au | T 13 77 88

### Department of Infrastructure, Transport, Regional Development, Communications and the Arts

For information related to importing road vehicles to Australia; also for information on & to access *Australian Design Rules (ADRs)* & associated Circulars; Vehicle Standards Bulletins (VSBs)

GPO Box 594 Canberra ACT 2601 | https://www.infrastructure.gov.au

E vimports@infrastructure.gov.au or ROVERinfo@infrastructure.gov.au | T 1800 815 272

### **National Heavy Vehicle Regulator**

For Information & advice related to the construction and modification of heavy vehicles (ie those with a GVM or ATM exceeding 4.5 tonnes); requirements for heavy vehicle permits & exemptions.

PO Box 492, Fortitude Valley Q 4006 | https://www.nhvr.gov.au

E info@nhvr.gov.au | T 1300 696 487

Third Edition:	Means to demonstrate compliance: These may also be annied to vehicles manufactured to other editions and versions of the ADRs
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
1/00 Reversing lamps	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> <li>Function</li> </ul>
0	Light emitted is visible from prescribed positions and not confused with any other light
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
2/01 Side door latches and hinges	Can be sourced from a production vehicle known to comply with this rule. Also, must be connected in a manner that willsupport the applied loads — calculations are sufficient to verify the connections.
	The certificate issued by the licensed certifier must include an assessment of the host vehicle and the condition of theseats and anchorage points.
	All seats must comply with <u>ADR 3/04</u> or be shown to have been sourced from a vehicle known to comply with this rule. The following are acceptable means for determining compliance with ADR 3/04:
3/04 Seats and seat anchorages	<ul> <li>Tests specified in ADR 3/04 done on the host vehicle, a representative sample vehicle or a test-rig facsimile – amaster report is acceptable, or</li> </ul>
	• Detailed assessment or calculation in accordance with Schedule 1 <u>(see pages 4&amp;5).</u>
	The tests, assessment and calculation, as appropriate, must incorporate the seats and anchorage points. A simple comparison or opinion without the necessary supporting evidence is not acceptable.
4/06 Seatbelts	Must be new seatbelts that comply with <u>ADR 4/06</u> .
	The certificate issued by the licensed certifier must include an assessment of the host vehicle and the condition of theanchorage points.
5/06 Anchorages for seatbelts	The following are acceptable means for determining compliance with <u>ADR 5/06</u> :  • Tests specified in ADR 5/06 done on the host vehicle, a representative sample vehicle or a test-rig facsimile – amaster report
	<ul> <li>Detailed assessment or calculation in accordance with Schedule 1 (see pages 4&amp;5).</li> </ul>
	A simple comparison or opinion without the necessary supporting evidence is not acceptable.
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in the vehicle, as below:
00/9	Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
Direction indicator lamps	• Function
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> <li>Light emitted is sufficiently seen and has no excessive alone</li> </ul>
	בומוני ביווונכת וא את לוכובות לא אחריו תות ותם וות בערים את היים וות בערים את היים וות בערים את היים וות בערים את היים וותם וותם וותם וותם וותם וותם וותם ו

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Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	The certificate issued by the licensed certifier must include an assessment of the host vehicle and the condition of theinstalled head restraints; the head restraints must be compatible with the seats.
22/00	Except for head restraints on seats that comply with the head restraint requirements of <u>ADR 3/03</u> , all head restraints mustcomply with <u>ADR 22/00</u> . Head restraints on seats that comply with the head restraint requirements of ADR 3/04 do not need to comply with ADR 22/00.
Head restraints	<ul> <li>The following are acceptable means for determining compliance with ADR 22/00:</li> <li>Tests specified in ADR 22/00 done on the host vehicle, a representative sample vehicle or a test-rig facsimile – amaster report is acceptable, or</li> <li>Detailed assessment or calculation in accordance with Schedule 1(see pages 4&amp;5). A simple comparison or opinion without the</li> </ul>
23/03	supporting evidence is not acceptable.  No allowance given – must comply with ADR 23/03.
Passenger car tyres 25/02 Anti-theft lock	Compliance can be verified by a detailed assessment against a standard production vehicle.
29/00 Side door strength	<ul> <li>The door must be sourced from a standard production vehicle that complies with <u>ADR 29/00</u> and fitted accordingly, or</li> <li>Where fitted, intrusion bars must be fabricated; after which the door and its frame must be tested, or</li> <li>Detailed assessment or calculation in accordance with Schedule 1 (see pages 4&amp;5).</li> </ul>
31/04	Use the brake test applicable to the modification or ICV as specified in either the Brake Assessment Manual (the BAM) or in the Abridged Brake Test in Section LG of VSB 14 to determine compliance with performance requirements. Either the method used in VSB 14 or the BAM must be used in its entirety. Using a combination of methods specified across both documents is not acceptable. No assessment will be accepted in lieu of the specified brake test.
Hydraulic brake systems for passenger cars	ICVs are not required to demonstrate compliance with the Electronic Stability Control (ESC) and Brake Assist Systems (BAS) requirements for passenger car braking systems in this ADR provided they include the following text in the warning label (see Appendix B).
	Specific text to be provided in the warning label: "ADR.31 or ADR.35 Electronic Stability Control and Brake Assist Systems" Construction requirements must be to the applicable version of the ADR.
	ICVs are not required to demonstrate compliance with the Anti-lock Braking Systems (ABS) and Combined Braking Systems (CBS) requirements in this ADR provided they include the following text in the warning label (see Appendix B).
33/01  Brake systems for motorcycles and	Specific text to be provided in the warning label: "ADR.33 Anti-lock/Combined Braking System"
mopeds	AMVCB Circular 33-2-1 may be used as a means to demonstrate compliance with the applicable brake performance requirements.
	Construction requirements must be to the applicable version of the ADR

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
34/03 Child restraint anchorages and child restraint anchor fittings	<ul> <li>Child restraint anchorages and child restraint anchor fittings may be installed in accordance with the Roads andMaritime's publication Guide to the Correct Installation and Use of Seat Belts and Child Restraint, or</li> <li>Tests specified in <u>ADR 34/01</u> done on the host vehicle, representative sample vehicle or a test-rig facsimile – amaster report is acceptable, or</li> <li>Detailed analysis or examination in accordance with Schedule 1(see pages 4&amp;5)</li> <li>A simple comparison or opinion without the supporting evidence is not acceptable.</li> </ul>
	ICVs are not required to demonstrate compliance with the Electronic Stability Control (ESC) Systems and Brake Assist Systems (BAS) requirements for commercial vehicles braking systems in this ADR provided they include the following text in the warning label (see Appendix B).  Specific text to be provided in the warning label: "ADR 21 or ADR 25 Flortronic Stability Control and Brake Assist Systems."
35/07	Specific text to be provided in the warning label. <b>ADR.31</b> of <b>ADR.32</b> Electronic Stability Control and brake Assist Systems.
Commercial venicie prake systems	Vehicles with a GVM of 4.5 tonnes or less, except buses, may use the brake test methodology specified in either the Brake Assessment Manual or in Section LG of VSB 14 to determine compliance with performance requirements. A combination of both is unacceptable
	Construction requirements must be to the applicable version of the ADR
	Brake performance shall be assessed using the applicable ADR.
38/05 Trailer brake systems	See VSB 1 Building small trailers and VSB 6 National Code of Practice for Heavy Vehicle Modifications for furtherinformation.
	Construction requirements must be to the applicable ADR.
42/05 General safety requirements	Compliance may be by visual inspection.
43/04 Vehicle configuration and marking	No allowance given – must comply with <u>ADR 43/04</u> .
44/02 Specific purpose vehicle requirements	No allowance given – must comply with <u>ADR 44/02</u> .
3	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in the vehicle, as below:
45/01 Lighting and light-signalling devices	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> <li>Function</li> </ul>
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
46/00	Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
неадіатря	• FUNCTION  I take on items of the form processing and and out confined with any other links
	<ul> <li>Light emitted is visible from prescribed positions and not conjused with any other right</li> <li>Light emitted is sufficiently seen and has no excessive alare</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the reflectors must be verified as installed in thevehicle, as below:
47/00	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> </ul>
Reflex reflectors	• Function
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
	below:
48/00	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> </ul>
kear registrationplate	<ul> <li>Function</li> </ul>
manina migaevices	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
49/00	below:
Front and rear position (side)	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> </ul>
lamps, stop lamps and end- outline	<ul> <li>Function</li> </ul>
marker lamps	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
	below:
20/00	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> </ul>
Front fog lamps	<ul> <li>Function</li> </ul>
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
51/00 Filament globes	The lights must be verified as installed in the vehicle.

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
52/00	• Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
Rear fog lamps	Function
	• Light emitted is visible from prescribed positions and not confused with any other light
	• Light emitted is sufficiently seen and has no excessive glare.
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
53/00	below:
Position and stoplamps, direction	Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
indicators & rear plate lamps for	<ul> <li>Function</li> </ul>
L-group vehicles	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	• Light emitted is sufficiently seen and has no excessive glare.
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
	below:
54/00 Passing beam headlamps for	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> <li>Function</li> </ul>
mopeds	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive alare.</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as
55/00	below:
Headlamps for	• Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
L-group vehicles other than	Function
mopeds	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
57/00	
Special requirements for L-group vehicles	No allowance given – must comply with <u>ADR 57/00</u> .
	Apart from stretched limousines, the vehicles must comply with <u>ADR 58/00</u> .
58/00 Requirements foromnibuses designed for hireand reward	Stretched limousines that carry up to 12 people, including the driver, are subject to a number of exemptions detailed inVSI No. 42 <b>Stretched limousines – exemption from aspects of ADR 58/00</b> .
	Note: ADR 58/00 is being revised.
59/00 Omnibus rolloverstrength	VSB 7 Design parameters necessary for compliance with <u>ADR 59/00</u> Parts A and B may be used.

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
60/00 Centre high-mounted Stop Lamp	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> <li>Function</li> </ul>
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> <li>Light emitted is sufficiently seen and has no excessive alare.</li> </ul>
64 /03	No allowance given – must comply with <u>ADR 61/03</u> .
Vehicle marking	In addition to the requirements given in ADR 61/03, number-plates must be positioned to comply with Clause 25 to theRoad Transport (Vehicle Registration) Regulation 2017. Advice on number plate visibility is given in VSI 58 'Number-plate visibility'.
62/02 Mechanical connections between vehicles	No allowance given – must comply with <u>ADR 62/02</u> .
63/00 Trailers designedfor use in Road Trains	No allowance given – must comply with <u>ADR 63/00</u> .
64/00 Heavy goods vehicles designed for usein Road Trains and B- doubles	No allowance given – must comply with <u>ADR 64/00</u> .
65/00 Maximum road speed limiting for heavy goods vehicles and heavy omnibuses	No allowance given – must comply with <u>ADR 65/00.</u>
66/00 Seat strength, seat anchorage strength and padding in omnibuses	This standard has been superseded by ADR 68/ for new MD3 & MD 4 vehicles as from 1 July 1995 and new ME vehicles as from 1 July 1994.
67/00 Installation of lighting and light- signalling devices on three- wheeled vehicles	No allowance given – the type, number, location and operation of the lamps and light-signalling devices must be verified in accordance with <u>ADR 67/00.</u>
68/00 Occupant protection in buses	Evidence of compliance with the <u>Retrofitting Passenger restraints to Buses (Sept 2007)</u> , is acceptable.

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	ICVs are not required to demonstrate compliance the crash-test requirements of <u>ADR 69/00</u> provided they include the following text in the warning label (see Appendix B).
69/00 Full frontal impact occupant protection	Specific text to be provided in the warning label: "Testing to Australian Design No. <b>ADR.69/</b> Full Frontal Impact Occupant Protection, <b>ADR.73/</b> Offset Front Impact Protection and <b>ADR.85/</b> Pole Side Impact Protection".
	The vehicle must comply with all other requirements of <i>ADR 69/00</i> .
72/00	ICVs are exempted from crash-test requirements of <u>ADR 72/00</u> provided they include the following text in the warning label (see Appendix B).
Dynamic side impact occupant protection	Specific text to be provided in the warning label: "Testing to Australian Design No. ADR.69/ Full Frontal Impact Occupant Protection, ADR.73/ Dynamic Side Impact Occupant Protection, ADR.73/ Offset Front Impact Protection and ADR.85/ Pole Side Impact Protection". The vehicle must comply with all other requirements of ADR 72/00.
	ICVs are exempted from crash-test requirements of $\overline{ADR 73/00}$ provided they include the following text in the warning label (see Appendix B).
73/00 Offset frontal impact protection	Specific text to be provided in the warning label: "Testing to Australian Design No. ADR.69/ Full Frontal Impact Occupant Protection, ADR.72/ Dynamic Side Impact Occupant Protection, ADR.73/ Offset Front Impact Protection and ADR.85/ Pole Side Impact Protection".
	The vehicle must comply with all other requirements of <u>ADR 73/00</u> .
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
74/00 Side marker lamps	<ul> <li>Colour of the emitted light must comply with trichromatic coordinates specified in the ADR</li> <li>Function</li> </ul>
	<ul> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
75/00	No allowance given – must comply with <u>ADR 75/00</u> .
Headlamp cleaners	Note: reference to photometric measurements means that when the headlamp cleaner is not in use it must not affect theoriginal photometric values, where applicable, by more than 5 per cent.
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
26/00	Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
Daytime runningiamps	<ul> <li>Function</li> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	■ Light emitted is sufficiently seen and has no excessive glare.

Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
	To establish compliance with the colorimetric and photometric requirements the lamps must be verified as installed in thevehicle, as below:
77/00	Colour of the emitted light must comply with trichromatic coordinates specified in the ADR\
Gas discharge headlamps	<ul> <li>Function</li> <li>Light emitted is visible from prescribed positions and not confused with any other light</li> </ul>
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
	To establish compliance with the colorimetric and photometric requirements the light sources must be verified as installed in the vehicle, as below:
78/00	• Colour of the emitted light must comply with trichromatic coordinates specified in the ADR
Gas discharge light sources	• Function
	• Light emitted is visible from prescribed positions and not confused with any other light
	<ul> <li>Light emitted is sufficiently seen and has no excessive glare.</li> </ul>
	Modified vehicles must continue to comply with the applicable version of $\overline{ADR~79}$ or
79/05 Emission control for light vehicles	Modified Production Vehicles and ICVs must comply with the gazetted Transport for NSW Standard Compliance Specification "Interim NSW Vehicle Emissions Test Procedure for Modified and Individually Constructed Vehicles". This procedure will be accepted until new
	requirements are defined.
80/04 Emission control for heavy vehicles	Documentation provided by the engine manufacturer that indicates the emissions meet the levels specified in $\overline{ADR} \ 80/04$ is acceptable.
81/02	
Fuel consumption labelling for light vehicles	An ICV is exempted from fitting a label.
82/00 Engine immobilisers	An engine immobiliser sourced from a production vehicle known to comply with this rule is acceptable providing it has been properly installed and operates as designed.
83/00 External noise	Modified and Individually Constructed Vehicles must comply with <u>ADR 83/00</u> or with the Alternative Compliance Process for the drive by noise test requirements of <i>ADR 83/00</i> . The National Stationary Exhaust Noise Test Procedures for In-Service Motor Vehicles from the National Transport Commission can be followed as guidance for the testing procedures, however for certification purposes, the ADR requirement must be met. See Appendix A
84/00 Front underrun impact protection	Must comply with ADR $\underline{84/00}$ , or Detailed analysis or examination in accordance with Schedule 1 (see pages 4%5).
85/00 Pole Side-impact Protection	ICVs are exempted from crash-test requirements of <u>ADR 85/00</u> provided they include the following text in the warning label (see Appendix B). Specific text to be provided in the warning label: "Testing to Australian Design No. <b>ADR.69/</b> Full Frontal Impact Occupant Protection, <b>ADR.72/</b> Dynamic Side Impact Occupant Protection, <b>ADR.73/</b> Offset Front Impact Protection and <b>ADR.85/</b> Pole Side Impact
	The vehicle must comply with all other requirements of <i>ADR 85/00</i> .

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Third Edition: ADR No. and title	Means to demonstrate compliance: These may also be applied to vehicles manufactured to other editions and versions of the ADRs
ADR 97/00 Advanced Emergency Braking for Omnibuses, and Medium and Heavy Goods Vehicles	No allowance given – must comply with <u>ADR 97/00</u>
ADR 98/01 Advanced Emergency Braking for Passenger Vehicles and Light Goods Vehicles	ICVs are not required to demonstrate compliance with this ADR provided they include the following text in the warning label (see Appendix B). Specific text to be provided in the warning label: "ADR.88 Electronic Stability Control, ADR.89 Brake Assist Systems or ADR.98 Advanced Emergency Braking".
ADR 99/01  Lane Departure Warning Systems)  ADR 105/00	No allowance given – must comply with <i>ADR 105/00</i>
Blind Spot Information Systems ADR 106/00 Side Underrun Protection	No allowance given – must comply with <u>ADR 106/00</u>
ADR 108/00 Reversing Technologies	No allowance given – must comply with <u>ADR 108/00</u>
ADR 109/01 Electric Power Train Safety Requirements	No allowance given – must comply with <u>ADR 109/01</u>
ADR 110/00 Hydrogen-Fuelled Vehicles Safety Related Performance	No allowance given – must comply with <u>ADR 110/00</u>
ADR 111/00	No allowance given – must comply with <u>ADR 111/00</u> Madified Production Volvidos and POV must be constituted Transport for NEW Grandend Compliance Consideration (Interior Consideration Constitution Consideration Constitution C
Vehicles	NSW Vehicle Emissions Test Procedure for Modified and Individually Constructed Vehicles". This procedure will be accepted until new requirements are defined.
ADR 112/00	No allowance given – must comply with <u>ADR 112/00</u>
Control of Real Driving Emissions for Light Vehicles	Modified Production Vehicles and ICVs must comply with the gazetted Transport for NSW Standard Compliance Specification "Interim NSW Vehicle Emissions Test Procedure for Modified and Individually Constructed Vehicles". This procedure will be accepted until new requirements are defined.
ADR 113/00 Acoustic Vehicle Alerting Systems for Quiet Road Transport Vehicles	No allowance given – must comply with <u>ADR 113/00</u>

### **Test Procedure**

Only stationary noise testing in accordance with ADR 83/00 is required provided the conditions below are met.

- All other requirements, including labels, must comply with the applicable ADRs
- The VSCCS licensed certifier may use the stationary noise process outlined in ADR 83/00 where applicable with the following conditions:

## For Modified Production Vehicles:

Stationary Noise Test Limit: The signature noise level assigned to the OEM vehicle at the time of certification is not exceeded.

- The VSCCS licensed certifier conducts the exhaust noise test at the same engine test speed used in the ADR83 test at the time of certification.
- No additional tolerances are applied by the VSCCS licensed certifier for certification purposes.
- The use of unauthorised temporary noise reduction devices or packing as defined in the Protection of the Environment Operations (Noise Control) Regulation 2017 is not permitted.

Modified production vehicles exceeding the stationary noise test limit assigned by the OEM must demonstrate compliance with the drive-by noise test requirements of

# For Individually Constructed Vehicles:

## M category vehicles:

- Stationary Noise Test Limit: 90 dB(A) when tested at % engine speed at maximum power (ESMP).
- ICVs exceeding the limit above **must** demonstrate compliance with the drive-by noise test requirements of ADR 83/00.

## L category vehicles:

- Stationary Noise Test Limit: 94 dB(A) when tested at ½ engine speed at maximum power if the ESMP is more than 5,000 rpm, or 3/4 engine speed at maximum power if the ESMP is not more than 5,000 rpm.
- ICVs exceeding the limit above must demonstrate compliance with the drive-by noise test requirements of ADR 83/00.

# \* temporary noise reduction device includes the following exhaust system components that reduce noise (a) a valve or other device that is adjustable,

- (b) a plate, baffle or other device that is part of a muffler, resonator or the like and that is not substantially welded in place.
- temporary noise reduction packing means packing or other matter in an exhaust system that reduces noise but which is not permanently sealed in the system by way of

welding or rivets.

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ADR.88 Electronic Stability Control, ADR.89 Brake Assist Systems or ADR.98 Advanced

A warning label must be fitted to an ICV where required within this document. The label should be fitted on the vehicle dashboard in front of the passenger and in view

Warning label for ICV non-compliance with ADR's

Appendix B

of the driver, or its closest practical position. For a motorcycle or trike, the label should be in a prominent location visible from a normal operating position. The label

The text "This vehicle is not required to comply with the requirements in the following ADRs ONLY for the safety features stated below, and does not provide

A heading stating "WARNING" in upper case bold with a minimum vertical letter height of 4mm in black text on a yellow background.

requires the following:

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the same level of safety as a full volume production vehicle:" with a minimum vertical height of 3mm in black text on a white or yellow background

The specific text provided in the means to demonstrate compliance column for each ADR stating each individual ADR that the vehicle has an exemption or testing concession from within this Bulletin, with a minimum vertical height of 3mm in black text on a white or yellow background and the specific ADR

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This vehicle is not required to comply with the requirements in the following ADRs ONLY

I WARNING

An example is shown below.

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mentioned in bold.

for the safety features stated below, and does not provide the same level of safety as a

Testing to Australian Design No. ADR.69 Full Frontal Impact Occupant Protection,

ADR.31 or ADR.35 Electronic Stability Control and Brake Assist Systems

full volume production vehicle:

**ADR.72** Dynamic Side Impact Occupant Protection, **ADR.73** Offset Front Impact

Protection and **ADR.85** Pole Side Impact Protection.

Emergency Braking.

11 October 2024

### **ROADS ACT 1993**

Order - Section 159

Placement of Land Under the Control of Council as a Public Reserve at Windsor, Freemans Reach and Wilberforce in the Hawkesbury City Council Area

Transport for NSW, by this order under section 159 of the *Roads Act 1993*, places the land described in the schedule below under the control of Hawkesbury City Council.

K Durie Statutory Land Transactions Manager Transport for NSW

### **Schedule**

All those pieces or parcels of land situated in the Hawkesbury City Council area, Parishes of St Matthew and Wilberforce and Counties of Cumberland and Cook, shown as:

Lots 40 and 41 Deposited Plan 1301054; and

Lots 30 and 31 Deposited Plan 1300807.

(TfNSW Papers: SF2024/155604; LIC SF2015/202397)

### **ROADS ACT 1993**

Notice of Dedication of Land as Public Road at Redfern and in the Sydney City Council Area

Transport for NSW, by its delegate, dedicates the land described in the schedule below as public road under section 10 of the *Roads Act 1993*.

K Durie Statutory Land Transactions Manager Transport for NSW

### Schedule

All those pieces or parcels of land situated in the Sydney City Council area, Parish of Alexandria and County of Cumberland, shown as:

Lot 51 Deposited Plan 826153; and

Lot 1 Deposited Plan 339405.

(TfNSW Papers: SF2024/167792; LIC SF2015/202396)



### MARINE NOTICE

Section 12(2)

### **REGULATION OF VESSELS - EXCLUSION ZONE**

### Location

Lake Macquarie – between Eleebana and Boughton Point (as per attached map).

### **Duration**

• 11:00am to 12:00pm – Thursday 17 October 2024.

### **Detail**

A number of high-speed powerboat demonstrations will be conducted on the navigable waters of Lake Macquarie as specified above.

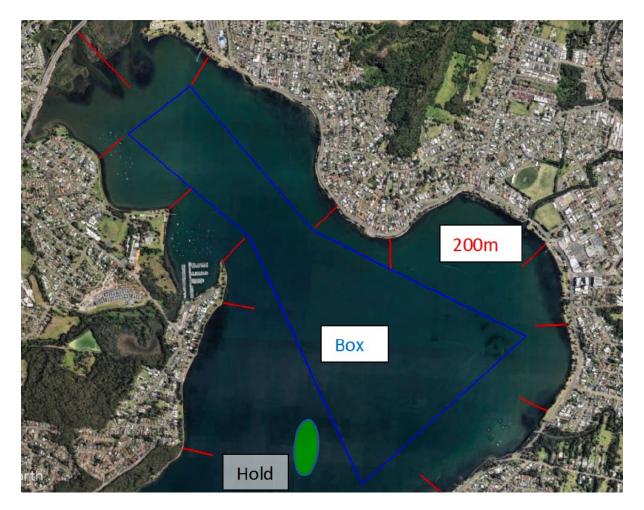
An **EXCLUSION ZONE** is specified during the event, which will be monitored and indicated by the presence of control vessels stationed on the boundary.

Unauthorised vessels and persons are strictly prohibited from entering the Exclusion Zone during the time above.

Penalties may apply (Section 12(5) - Marine Safety Act 1998).

For full details visit the Transport for NSW website – <a href="https://www.nsw.gov.au/driving-boating-and-transport/using-waterways-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices">https://www.nsw.gov.au/driving-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices</a>

Marine Notice NH2495



Date: 3 October 2024

Andre Uljee

A/Principal Manager North



### MARINE NOTICE

Section 12(2)

### **REGULATION OF VESSELS - EXCLUSION ZONE**

### Location

Lake Macquarie – upstream of the line between Rocky Point (Eleebana) and Boughton Point.

### **Duration**

On the following dates and times:

- 11:00am to 3:00pm Saturday 19 October 2024.
- 10:00am to 2:00pm Sunday 20 October 2024.

### **Detail**

A number of high speed powerboat races will be conducted on the navigable waters of Lake Macquarie on the dates and times specified above.

An **EXCLUSION ZONE** is specified during the event, which will be monitored and indicated by the presence of control vessels.

Unauthorised vessels and persons are strictly prohibited from entering the Exclusion Zone during the times above.

Penalties may apply (Section 12(5) - Marine Safety Act 1998).

For full details visit the Transport for NSW website – <a href="https://www.nsw.gov.au/driving-boating-and-transport/using-waterways-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices">https://www.nsw.gov.au/driving-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices</a>

Marine Notice NH2496

Date: 3 October 2024

Andre Uljee

A/Principal Manager North



### MARINE NOTICE

Section 12(2)

### **REGULATION OF VESSELS - EXCLUSION ZONE**

### Location

Kilaben Bay, Lake Macquarie.

### **Duration**

On the following dates and times:

- 9.00am to 5.00pm Saturday 19 October 2024.
- 9:00am to 5:00pm Sunday 20 October 2024.

### **Detail**

Powerboat races will be conducted on the navigable waters of Rathmines Bay as specified above. High speed power vessels and support vessels will be active in the area during the above times, presenting a significant potential hazard to other waterway users.

An **EXCLUSION ZONE** is specified during the event which will be indicated and monitored by the presence of control vessels.

Unauthorised vessels and persons are strictly prohibited from entering the Exclusion Zone during the times above.

Penalties may apply (Section 12(5) - Marine Safety Act 1998).

For full details visit the Transport for NSW website – <a href="https://www.nsw.gov.au/driving-boating-and-transport/using-waterways-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices">https://www.nsw.gov.au/driving-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices</a>

Marine Notice: NH2497

Date: 3 October 2024

Andre Uljee

A/Principal Manager North



### MARINE NOTICE

Section 12(2)

### **REGULATION OF VESSELS - EXCLUSION ZONE**

### Location

Hunter River, Maitland – between the Belmore St Bridge and the prolongation of Hunter Street.

### **Duration**

• 2.00pm to 9.30pm – Sunday 12 October 2024.

### **Detail**

A number of floating lanterns and other items will be present on the navigable waters of the Hunter River as specified above.

An **EXCLUSION ZONE** is specified during the event, which will be monitored and indicated by the presence of control vessels.

Unauthorised vessels and persons are strictly prohibited from entering the Exclusion Zone during the time above.

Penalties may apply (Section 12(5) - Marine Safety Act 1998).

For full details visit the Transport for NSW website – <a href="https://www.nsw.gov.au/driving-boating-and-transport/">https://www.nsw.gov.au/driving-boating-and-transport-information/restrictions-and-closures-on-nsw-waterways/marine-notices</a>

Marine Notice NH2494

Date: 3 October 2024

Andre Uljee

A/Principal Manager North

### **ROADS ACT 1993**

### Notice of Dedication of Land as Public Road at Mulgoa in the Penrith City Council Area

Transport for NSW, by its delegate, dedicates the land described in the schedule below as public road under section 10 of the *Roads Act 1993*.

K Durie Statutory Land Transactions Manager Transport for NSW

### **Schedule**

All those pieces or parcels of land situated in the Penrith City Council area, Parish of Mulgoa and County of Cumberland, shown as:

Lot 5 Deposited Plan 1240361;

Lots 36 to 40 inclusive Deposited Plan 243432;

Lot 1 Deposited Plan 109687; and

Lots 14 and 15 Deposited Plan 1240352.

(TfNSW Papers: SF2017/060985; LIC SF2015/202397)

### **ROADS ACT 1993**

### Notice of Dedication of Land as Public Road at Mulgoa in the Penrith City Council Area

Transport for NSW, by its delegate, dedicates the land described in the schedule below as public road under section 10 of the *Roads Act 1993*.

K Durie Statutory Land Transactions Manager Transport for NSW

### **Schedule**

All those pieces or parcels of land situated in the Penrith City Council area, Parish of Mulgoa and County of Cumberland, shown as:

Lot 16 Deposited Plan 1240352;

Lots 26 to 50 inclusive Deposited Plan 1240141; and

Lots 60, 61 and 62 Section H Deposited Plan 2234.

(TfNSW Papers: SF2017/060985; LIC SF2015/202397)