From: Standards
To: S47F

**Subject:** RE: Contact us - RVS - Component or vehicle type approval [SEC=OFFICIAL]

**Date:** Monday, 24 February 2025 2:20:16 PM

#### **OFFICIAL**

Dear s47F

There are two main levels of Government related to the regulation of road vehicles in Australia. At first supply, there is the requirements of the *Road Vehicle Standards Act 2018*, which includes the vehicle type approval pathway you refer to. At this time, you are correct that ADR 90 Steering Systems covers the steering functions that are permitted as part of type approval. Alternatively, a type approval certificate for United Nations Regulation 79, as issues by a contracting party to the 1958 Agreement, will also be recognised for the purposes of compliance to ADR 90 Steering Systems. However, the states and territories of Australia regulate the use of vehicles on roads. These laws currently prevent any automated control system from being used where the driver does not have their hands on the steering wheel. For this reason, Tesla's NOA is currently not allowed to be operated in Australia.

Please let me know if you have any further questions.

Regards

s22(1)(a)(ii) s22(1)

Director Autonomous Vehicle Standards • Vehicle Safety Policy and Partnerships • Road and Vehicle Safety Division GPO Box 594 Canberra, ACT 2601

Department of Infrastructure, Transport, Regional Development, Communications and the Arts CONNECTING AUSTRALIANS • ENRICHING COMMUNITIES • EMPOWERING REGIONS

## infrastructure.gov.au

I would like to acknowledge the traditional custodians of this land on which we meet, work and live. I recognise and respect their continuing connection to the land, waters and communities. I pay my respects to Elders past and present and to all Aboriginal and Torres Strait Islanders.

**From:** Department of Infrastructure, Transport, Regional Development, Communications and the Arts < infrastructure.noreply@govcms.gov.au>

Sent: Friday, 21 February 2025 7:56 PM

To: ROVERinfo < ROVERinfo@infrastructure.gov.au >

**Cc:** \$47F

**Subject:** Contact us - RVS - Component or vehicle type approval [SEC=OFFICIAL]

Submitted on 21 February 2025

Submitted by: Anonymous

Submitted values are:

**Full name** 

s47F

**Business name** 

s47

**Email** 

s47F

Phone

s47F

#### **Reason for contact**

Application

#### Category

Component or vehicle type approval

## Message

I'm assisting a Chinese vehicle manufacturer to apply for Vehicle Type Approval.

I know that 'ADR 90 Steering Systems' (alternative standard: UN R79.02) specifies some steering-related ADAS functions, such as automatically commanded steering functions (ACSF).

### And my question is:

For steering-related ADAS functions that are not specified in the ADR regulation, such as Tesla's NOA(navigate on autopilot) function, will the Australian government allow vehicles equipped with these functions to enter Australia?

NOA: when vehicle is driving on some closed sections such as highways, combined with the vehicle navigation routes, the vehicle can automatically adjust the speed, automatically change lanes to overtake, and automatically enter and exit the ramp.

Looking forward to your reply! Thank you for your help!

### I have read the privacy notice

Yes

**OFFICIAL** 

From: **ROVERinfo** 

s47F To: ; ROVERinfo

Subject: RE: Autonomous Vehicle Regulations [SEC=OFFICIAL]

Monday, 29 January 2024 4:14:11 PM Date:

#### **OFFICIAL**

Good afternoon.

Thank you for your email. If you email the appropriate team they can assist you:

https://www.infrastructure.gov.au/infrastructure-transport-vehicles/transport-strategy-

policy/office-future-transport-technology

automated vehicles@infrastructure gov au

Kind Regards,

s22(1)

(a)(ii)

Rover Support Team Leader

GPO Box 594 Canberra, ACT 2601

Department of Infrastructure, Transport, Regional Development and Communications

**CONNECTING AUSTRALIANS • ENRICHING COMMUNITIES • EMPOWERING REGIONS** 

#### infrastructure.gov.au

ognise and respect their continuing connection to the land, waters and communities. In my respects to Elders past and present and to all Aboriginal and Torres Strait Islanders.

ROVER Release 8C | Department of Infrastructure, Transport, Regional Development,

Communications and the Arts

# **OFFICIAL**

From: S47F

Sent: Monday, 29 January 2024 4:12 PM

To: ROVERinfo

**Subject:** Autonomous Vehicle Regulations

Hi.

I am trying to find which department is responsible for regulating Autonomous Vehicles, and/or ADAS systems in Australia.

With the rapid increase in the number of EVs in Australia, most of which have autonomous driving hardware installed on them, I am trying to learn what process is in place for the approval of using these autonomous features.

For example, Tesla now have more than 50,000 "Autonomous Ready" cars in Australia and are currently testing their Autonomous Driving software in a number of states. So, what regulatory requirements must be approved before the software can be released for public use?

I am aware that Australia is a member of the UNECE/GRVA regulatory body, and that we have a harmonisation process in place to adopt their recommendations. However, it's not clear to me if that is a necessary requirement, or if there is another Australia specific regulatory requirement that is unrelated to the UNECE/GRVA, that must be approved before releasing the software. Or, if in fact it is legal to use this software without any further approvals required, right now. Any light you can shed on this would be greatly appreciated.

Regards,

From: <u>Standards</u>

To: s47F @tesla.com"

Subject: FW: requesting clarification on ACSF (Automatically Commanded Steering Function) requirements

[SEC=OFFICIAL]

Date: Wednesday, 23 August 2023 2:55:24 PM

Attachments: image001.png

image002.png

# **OFFICIAL**

# Hi s47F

Thank you for your patience regarding your email on ACSF requirements.

There is currently no UN Regulation covering all forms of Automated Driving Systems (ADS), accordingly, ADR 90/00 (based off UN Regulation 79) does not specify requirements for ACSF of category B2, C, D and E. Therefore, a national road vehicle standard covering Australian specific requirements for ADS is currently being developed, with the department in the process of working through the submissions provided during the recent public consultation period. However, whilst there is currently no national road vehicle standard, I recommend that you reach out to the State and Territory Registering Authorities (STRAs), as they are responsible for the registration of such vehicles and may set their own requirements.

I trust this information is of assistance and happy to discuss further.

### Kind regards

Vehicle Standards • Vehicle Safety Policy and Partnerships Branch • Road and Vehicle Safety Division Standards@infrastructure.gov.au

GPO Box 594 Canberra, ACT 2601

Department of Infrastructure, Transport, Regional Development, Communications and the Arts CONNECTING AUSTRALIANS • ENRICHING COMMUNITIES • EMPOWERING REGIONS

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#### **OFFICIAL**

From: s47F s47F @tesla.com>
Sent: Tuesday, 4 July 2023 2:13 PM

**To:** ROVERinfo < ROVERinfo@infrastructure.gov.au >

**Subject:** requesting clarification on ACSF (Automatically Commanded Steering Function)

requirements

Dear ROVER team,

I am writing to request clarification on the requirements of Automatically commanded steering function. From requirements of ADR 90/00 Appendix A clause 1.2.3: ACSF category B2, C, D and E are exempted until specific provisions introduced in the future.

does this mean that currently we don't have a regulation and requirement for ACSF B2,C,D and E in Australia?

what are the provisions or evidence requirements for these categories of ACSF if required? Thank you!

## Regards

s47F

s47F | AU/NZ/SG

Melbourne, Australia

E. s47F @tesla.com M. s47F

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under une

From: NTC Automated Vehicles

To: s22(1)(a)(ii) Cc: s22(1)(a)(ii)

Subject: RE: Tesla FSD (Supervised) Draft Standard Words [SEC=OFFICIAL]

Date: Monday, 12 May 2025 3:51:31 PM

Attachments: image001.jpg image550306.jpg image059512.jpg image663885.jpg image571781.jpg image252385.jpg

s47B(a), s42

# **NTC Automated Vehicles**

☐ 03 9236 5000 ☐ **ntc.gov.au** 

Level 3, 600 Bourke Street | Melbourne | VIC 3000





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NTC website		

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### **OFFICIAL**

From: s22(1)(a)(ii)	@tr	nr.qld.gov.au>
Sent: Monday, 12 May 2025	1:01 PM	
To: s22(1)(a)(ii)	@	nt.gov.au>; <sup>s22(1)(a)(ii)</sup>
@transport.ns	w.gov.au>; <sup>s22(1)(a)(ii)</sup>	
@tmr.qld.g	ov.au>	
Cc: s22(1)(a)(ii)		@sa.gov.au>; NTC Automated Vehicles
<automatedvehicles@ntc.go< th=""><th>v.au&gt;; <sup>s22(1)(a)(ii)</sup></th><th>@act.gov.au&gt;;<sup>s22(1)(a)(ii)</sup></th></automatedvehicles@ntc.go<>	v.au>; <sup>s22(1)(a)(ii)</sup>	@act.gov.au>; <sup>s22(1)(a)(ii)</sup>
@nt.gov.au>; s22(1	)(a)(ii)	@transport.wa.gov.au>;
s22(1)(a)(ii)	@stategrowth.tas	.gov.au>; <sup>s22(1)(a)(ii)</sup>
@stategrov	vth.tas.gov.au>; <sup>s22(1)</sup>	(a)(ii) @nt.gov.au>
Subject: RE: Tesla FSD (Super	rvised) Draft Standard	d Words

s47B(a), s42

# Regards,

s22(1)(a)(ii)

Manager (Road Rules & Emerging Technology)

Land Transport Safety and Regulation | Customer Services, Safety and Regulation Division

**Department of Transport and Main Roads** 

P: 07 3066 s22(1 | M: s22(1)(a)(ii)

Floor 10 | 6 Mary Street | Brisbane Qld 4000

PO Box 673 | Fortitude Valley Qld 4006

s22(1)(a)(ii) @tmr.gld.gov.au

www.tmr.qld.gov.au

### **OFFICIAL**

From: s22(1)(a)(ii) @nt.gov.au>

Sent: Monday, 12 May 2025 10:02 AM

s22(1)(a)(ii) @transport.nsw.gov.au>;

@tmr.qld.gov.au>

Cc: s22(1)(a)(ii) @sa.gov.au>; NTC Automated Vehicles

<automatedvehicles@ntc.gov.au>; s22(1)(a)(ii) @act.gov.au>; s22(1)(a)(ii) @nt.gov.au>; s22(1)(a)(ii) @transport.wa.gov.au>;

s22(1)(a)(ii)

@stategrowth.tas.gov.au>; s22(1)(a)(ii)

@stategrowth.tas.gov.au>; s22(1)(a)(ii)

@tmr.qld.gov.au>; s22(1)(a)(ii) @nt.gov.au>

Subject: RE: Tesla FSD (Supervised) Draft Standard Words

s47B(a), s47C, s42

s22(1)(a)(ii)

Senior Policy Officer Strategy, Policy and Legislation Department of Logistics and Infrastructure

Floor 2, Energy House, 18-20 Cavenagh Street, DARWIN GPO Box 2520, DARWIN, NT 0801

**t.** 08 8924 s22(1

e. s22(1)(a)(ii) <u>@nt.gov.au</u>



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From: s22(1)(a)(ii) @transport.nsw.gov.au>

**Sent:** Monday, 12 May 2025 9:06 AM

To: s22(1)(a)(ii) @nt.gov.au>; s22(1)(a)(ii)

@tmr.qld.gov.au>

Cc: s22(1)(a)(ii) @sa.gov.au>; NTC Automated Vehicles

<automatedvehicles@ntc.gov.au>; s22(1)(a)(ii) @act.gov.au>; s22(1)(a)(ii)

@nt.gov.au>; s22(1)(a)(ii) @transport.wa.gov.au>; s22(1)(a)

@stategrowth.tas.gov.au>; s22(1)(a)(ii)

@stategrowth.tas.gov.au>; Cc: Ns22(1)(a)(ii)

@tmr.qld.gov.au>; s22(1)(a)(ii) @nt.gov.au>

Subject: RE: Tesla FSD (Supervised) Draft Standard Words

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s47B(a), s42

s2 2(1

#### **OFFICIAL**

**Sent:** Friday, 9 May 2025 5:42 PM

To: s22(1)(a)(ii) @tmr.qld.gov.au>

Cc: s22(1)(a)(ii) @sa.gov.au>; s22(1)(a)(ii)

@transport.nsw.gov.au>; NTC Automated Vehicles

<automatedvehicles@ntc.gov.au>; s22(1)(a)(ii) @act.gov.au>; s22(1)(a)(ii)

@nt.gov.au>; s22(1)(a)(ii) @transport.wa.gov.au>;
@stategrowth.tas.gov.au>; s22(1)(a)(ii)

s22(1)(a)(ii)

@stategrowth.tas.gov.au>; s22(

@stategrowth.tas.gov.au>; Cc: s22(1)(a)(ii)

Subject: RE: Tesla FSD (Supervised) Draft Standard Words

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s47B(a), s47C

s22(1)(a)(ii)

Principal Policy Officer
Strategy, Policy and Legislation
Department of Logistics and Infrastructure

Floor 2, Energy House, 18-20 Cavenagh Street, DARWIN GPO Box 2520, DARWIN, NT 0801

**t.** 08 8924 \$22(1

e. s22(1)(a)(ii) @nt.gov.au



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From: s22(1)(a)(ii)

**Sent:** Friday, 9 May 2025 12:01 PM

To: s22(1)(a)(ii) @tmr.qld.gov.au>

Cc: s22(1)(a)(ii) @sa.gov.au>; s22(1)(a)(ii)

@transport.nsw.gov.au>; 'NTC Automated Vehicles'

<automatedvehicles@ntc.gov.au>; s22(1)(a)(ii) @act.gov.au>; s22(1)(a)(iii)

@nt.gov.au>; s22(1)(a)(ii) @transport.wa.gov.au>;

@stategrowth.tas.gov.au>; s22(1)(a)(ii)

@stategrowth.tas.gov.au>; 'Cc: s22(1)(a)(ii)

@tmr.qld.gov.au>; s22(1)(a)(ii) @nt.gov.au>

**Subject:** RE: Tesla FSD (Supervised) Draft Standard Words

s47B(a), s42

s22(1)(a)(ii)

Principal Policy Officer Strategy, Policy and Legislation Department of Logistics and Infrastructure

Floor 2, Energy House, 18-20 Cavenagh Street, DARWIN GPO Box 2520, DARWIN, NT 0801

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From: s22(1)(a)(ii) @nt.gov.au> **Sent:** Thursday, 1 May 2025 11:56 AM

To: \$22(1)(a)(ii) <u>@nt.gov.au</u>>; s22(1)(a)(ii)

> <u>@nt.gov.au</u>>; s22(1)(a)(ii) @nt.gov.au>

Subject: FW: Tesla FSD (Supervised) Draft Standard Words

From: s22(1)(a)(ii) @tmr.qld.gov.au>

**Sent:** Thursday, 1 May 2025 7:51 AM

To: s22(1)(a)(ii) @sa.gov.au>; s22(1)(a)(ii)

@transport.nsw.gov.au>; NTC Automated Vehicles

<a utomated vehicles@ntc.gov.au>: s22(1)(a)(ii) @act.gov.au>; s22(1)(a)(ii)

@nt.gov.au>; s22(1)(a)(ii) @transport.wa.gov.au>

@stategrowth.tas.gov.au>; s22(1)(a)(ii)

@stategrowth.tas.gov.au>

Cc: \$22(1)(a)(ii) @tmr.gld.gov.au>

Subject: Tesla FSD (Supervised) Draft Standard Words

**CAUTION:** This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Good morning all,

As requested, we are reaching out to share the initial draft of our standard responses to questions we may receive when Tesla Full Self-Driving (Supervised) launches in Australia.

Please see attached, noting:

- \$22(is seeking advice from the Commonwealth about ADR compliance if any issues are raised here we may have to review these responses
- The responses are based on Queensland's legislation we recommend you review these answers with regard to your State's legal frameworks (we are aware for example that WA has requirements to have a hand on the wheel, and our powers related to options such as issuing defect notices may not align with other jurisdictions)
- These responses are still subject to our executive approvals so may change we will provide an updated final version when available.

We don't believe absolute consistency is critical but hope this helps in creating some alignment in advice across jurisdictions. If you believe we have missed anything or have suggestions for responses/changes please feel free to send comments or a marked up version through.

Kind regards,

s22(1)(a)(ii)

A/Principal Policy Advisor (Road Rules & Emerging Technology) | LAVR Land Transport Safety and Regulation | Customer Services, Safety & Regulation Division

**Department of Transport and Main Roads** 

 $(07) 3338 \frac{\text{s22(1)}}{\text{(a)(ii)}}$ s22(1)(a)(ii)

@tmr.gld.gov.au

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From:

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Good afternoon LPWG.

We wanted to share some advanced guidance we received at our recent meeting with Tesla that you may all need to prepare for.

We can provide a more detailed summary of the discussion related to trials at the meeting, however it was highlighted to us that Telsa is apparently planning to launch their FSD (Supervised) system in Australia in approximately 4-6 weeks (noting this timeframe was quite vague). While it is an ADAS system, it is extremely advanced and brings the risks of drivers becoming complacent or over-reliant on the system while still being liable. We are planning to have some draft words prepared for any public or media inquiries we receive which highlight the requirements and responsibilities of drivers in relation to safety, monitoring the vehicle at all times, being ready to intervene, and that they are still responsible for any traffic infringements or incidents that occur due to the actions of the FSD system.

If there is interest in trying to align communications on this issue for consistency, please let me know, happy to help coordinate.

Kind regards,

s22(1)(a)(ii)

A/Principal Policy Advisor (Road Rules & Emerging Technology) | LAVR

Land Transport Safety and Regulation | Customer Services, Safety & Regulation Division

**Department of Transport and Main Roads** 

(07) 3338 s22( s22(1)(a)(n)() )@tmr.qld.gov.au www.tmr.qld.gov.au Floor 10 | 61 Mary Street | Brisbane Qld 4000

From: NTC Automated Vehicles <automatedvehicles@ntc.gov.au>

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Sent: Tuesday, 8 April 2025 4:36 PM
To: s22(1)(a)(ii)
                                  @stategrowth.tas.gov.au>; s22(1)(a)(ii)
                                                                                                 @nt.gov.au>; s22(1)(a)
                                                                                                       @tmr.qld.gov.au>; s22(1)(a)
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                                                       @tmr.qld.gov.au>; s22(1)(a)(ii)
s22(1)(a)(ii) @transport.nsw.gov.au>; s22(1)(a) @act.gov.au; s22(1)(a)(ii)
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<RoadTransportRegulation@act.gov.au>; s22(1)(a)(ii)
                                                          @infrastructure.gov.au>;s22(1)(a)(ii)
s22(1)(a) @austroads.com.au>; s22(1)(a)(ii)
                                                      @transport.nsw.gov.au>; avregulation <avregulation@infrastructure.gov.au>; s22(1)
                           @infrastructure.gov.au>; s22(1)(a)(ii) transport.nsw.gov.au>; s22(1)(a)(ii)
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              @act.gov.au>; s22(1)(a)(ii)
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                                                               @transport.wa.gov.au>; s22(1)(a)(ii)
             @tmr.qld.gov.au>;s22(1)(a) @nhvr.gov.au;s22(1)(a)(ii)
s22(1)(a)(ii)
                                                                                     @sa.gov.au>; s22(1)(a)(ii)
               @infrastructure.gov.au>; $22(1)(a)(ii) @transport.nsw.gov.au; NationalPolicy@transport.nsw.gov.au; $22(1) @nhvr.gov.au;
s22(1)(a)(ii)
s22(1)(a)(ii)
                              @nhvr.gov.au>
Cc: s22(1)(a)(ii) @ntc.gov.au>; s22(1)(a)(ii)
                                                    @ntc.gov.au>; s22(1)(a)(ii) @ntc.gov.au>,s22(1 @ntc.gov.au; s22(
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OFFICIAL

@ntc.gov.au>; s22(1)(a)(ii) @ntc.gov.au>; NTC Automated Vehicles <automated vehicles@ntc.gov.au>

OFFICIAL

Dear LPWG,

Thank you for your attendance and contributions at last week's LPWG meeting

Please see a summary of actions following the meeting below:

Subject: RE: Agenda and papers for April LPWG Meeting [SEC=OFFICIAL]

Meeting Date	Subject Matter	Actions	Member Responsible	Action By	
	Media updates	Action: NTC to circulate the news articles PowerPoint presentation (attached)	NTC	Done	

01/04/2025	Clarifying policy: Application of some DDT road rules to an ADS	Action: NTC to circulate list of ARRs that require express clarification and a proposed analysis method (attached)	NTC	Done
		Action: LPWG members to provide feedback on attached paper (see below for more info)	All	By <b>24 April</b>
	Workstream scoping and call for information a. Directions power (enforcement) b. Third-party interference model offences	Action: LPWG members to confirm which Act they intend for the inclusion of third-party interference offences	All	By <b>30 April</b>
		Action: LPWG members to check the list of powers at Appendix 1 of the QUT report		Ву <b>31 Мау</b>
	. ,	Action: NTC to circulate link to recent research on directions power – research can be found here	NTC	Done

### Clarifying policy: Application of some DDT road rules to an ADS

Attached is a paper which identifies the road rules we believe require express clarification in the model ARRs. We are seeking LPWG's feedback on two key aspects:

- 1. Whether LPWG agrees that the identified rules are ones that require express policy clarification; and
- 2. If LPWG has any feedback on our proposed approach

The rules that we've identified are based off of earlier work by the Commonwealth team (please see attached spreadsheet). We are working through the policy considerations for each rule internally and plan to circulate a populated table in coming weeks, subject to any feedback we receive regarding the scope of the task and our proposed approach. We are seeking feedback on this paper by 24 April.

Please reach out to the NTC team if you have any questions.

Kind regards, NTC AV Team

#### **NTC Automated Vehicles**

□ 03 9236 5000 □ ntc.gov.au

Level 3, 600 Bourke Street | Melbourne | VIC 3000



# OFFICIAL

From: NTC Automated Vehicles Sent: Tuesday, 25 March 2025 5:28 PM

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s22(1)(a)(ii) @	ontc.gov.au>				
Subject: Agend	a and papers for April LPWG Mee	ting			

Dear LPWG members,

Please find attached the agenda for the April LPWG meeting, taking place on Tuesday 1 April, 1 – 2:30pm (AEDT). Thank you again for everyone's flexibility in accommodating this revised meeting time.

The key items for discussion are:

- Remote operations (CTH)
- Clarifying the application of some DDT road rules to an ADS (NTC)
- Workstream scoping and call for information on directions power and third-party interference model offences workstreams (NTC)

#### Attached for reference is:

- The remote operations paper (Cth) circulated to LPWG in late February. The Commonwealth team are also aiming to send through some supplementary material later in the week
- · A slide pack for Agenda item 5: workstream scoping

Please let the NTC team know if you have any questions.

Kind regards, NTC AV Team

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