

AUSTRALIAN MOTOR VEHICLE CERTIFICATION BOARD
179th MEETING: 26 November 1997

Action List

4. Motor Vehicle Standards Act – Action Items

- (a) Review of Motor Vehicle Standards Act
- (b) Review of MVS Regulations and Administrators Circulars
- (c) ADR Review/TTMRA Review

5. Motor Vehicles Standards Act – New Items

- (a) Low Volume Compliance Scheme — 25 Vehicles Per Year (CB97/3438) & (CB97/3450)
- (b) Inspection Certificates (CB97/3440) & (CB97/3448)

6. Matters arising from previous minutes – action

- (a) Adhesive Labels
- (b) Ford Raider Rear Side Window Luminous Transmittance
- (c) ADR 8/01 - Safety Glazing Material - Alternative Standards (CB97/3447)
- (d) Long Distance Buses – Interior Light Reflection onto Windscreens

7. New Items – Action

- (a) Ford Transit MD3 Minor and Inconsequential Non Compliance (CB97/3449)
- (b) Non Compliance of Imported Used Buses (CB97/3456)
- (c) Recalls – Denial of Registration (CB97/3455)
- (d) Prototype Three Wheeled Vehicles (CB97/3442) & (CB97/3453)
- (e) NVS Forms for Low Volume Vehicles (CB97/3445)
- (f) Front Registration Plates (CB97/3454)
- (g) Individually Constructed Motorcycles (CB97/3459)
- (h) Bullbar Mounted Tubular Fishing Rod Holders (CB97/3444) & (CB97/3460)
- (i) Seat Belt Comfort Devices – Klunk Klip (CB97/3441) & (CB97/3446)

8. General Business

- (a) Full Volume SUTIs – Motorcycles (CB97/3461)
- (b) GVM for Imported Low Volume Compliance Vehicles (CB97/3463)
- (c) GVM/Tare – Motorhomes (CB97/3462)
- (d) P & J Dollies
- (e) Virtual Display Device (CB97/3439)
- (f) Takata Seatbelts (CB97/3448)
- (g) Lit Number Plate Frames
- (h) Forced Induction on Low Volume and Modified Vehicles
- (i) Minor Overwidth Vehicles – Air on the Run (CB97/3464)
- (j) ADR 69 & 72 Compliance for Low Volume Vehicles (CB97/3470)
- (k) Rally Vehicles Used for Rebodying (CB97/3465)
- (l) Hino Buses – Copper Brake Lines (Qld)
- (m) Left Hand Drive Garbage Trucks (Qld)
- (n) Covert Lighting System (Qld)
- (o) Fire in Greyhound Pioneer Bus (Qld)
- (p) 2.6 Metre Wide Buses (NT)
- (q) Sealco Valves (FORS)
- (r) Emergency Exit Signs – Toyota Coaster (CB97/3467)
- (s) Rerating GVMs Before Registration (CB97/3468)
- (t) Tinted Windows – Toyota Coaster (CB97/3469)
- (u) States and Territory Representation on SIWGs

9. New Items – Information

- (a) Client Operations Restructure (FORS) (CB97/3457)
- (b) RVCS Update (FORS)

10. Matters Arising from Previous Minutes – Information

- (a) Safety Chains on Light Vehicles
- (b) NT Livestock Loading

DOCUMENT: CB98/3471
ISSUED: January 1998

**MINUTES
179th MEETING
Wednesday 26th November 1997
SYDNEY NSW**

Members Present

Mr JOC White	Department of Transport and Regional Development (Chairman)
Mr J Montano	New South Wales
Mr R Gardner	Victoria
Mr J Dombrose	Western Australia
Mr J Hurnall	Queensland
Mr R Smith	South Australia
Mr J Hollins	Northern Territory

Apology

Mr R Butterworth	Tasmania
Mr R Paule	Australian Capital Territory

National Road Transport Commission

Mr M Malisani	NRTC
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Department of Transport and Regional Development

Mr A Gascoyne	Director (Client Operations)
Mr D Benness	Secretary to Meeting

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Document: CB97/3442
CB97/3453

- Vehicle being constructed in WA is basically a three wheeled limousine. A V6 engine is mounted transversely in the rear of the vehicle, front wheel and forks are from a Harley-Davidson motorcycle, driver is seated on a car type seat and controls the motorcycle front end with handlebars, body is a fibreglass shell mounted on RHS steel frame.

- WA – if vehicle is below one tonne GVM then could be classified as a motor tricycle. Appears vehicle will be over one tonne GVM and will then be either a MA or MB category vehicle; MB would depend on definition of 'steering wheel' for this vehicle
 - WA intending to license a vehicle for trial and evaluation
 - applicant indicated desire to produce several vehicles and would have to obtain low volume vehicles
 - concern with intent to use vehicles for hire and reward.

MINUTE: B179/3582

Agreed if vehicle is below one tonnes GVM must meet LEP category requirements; if over one tonne GVM then must meet MA category requirements.

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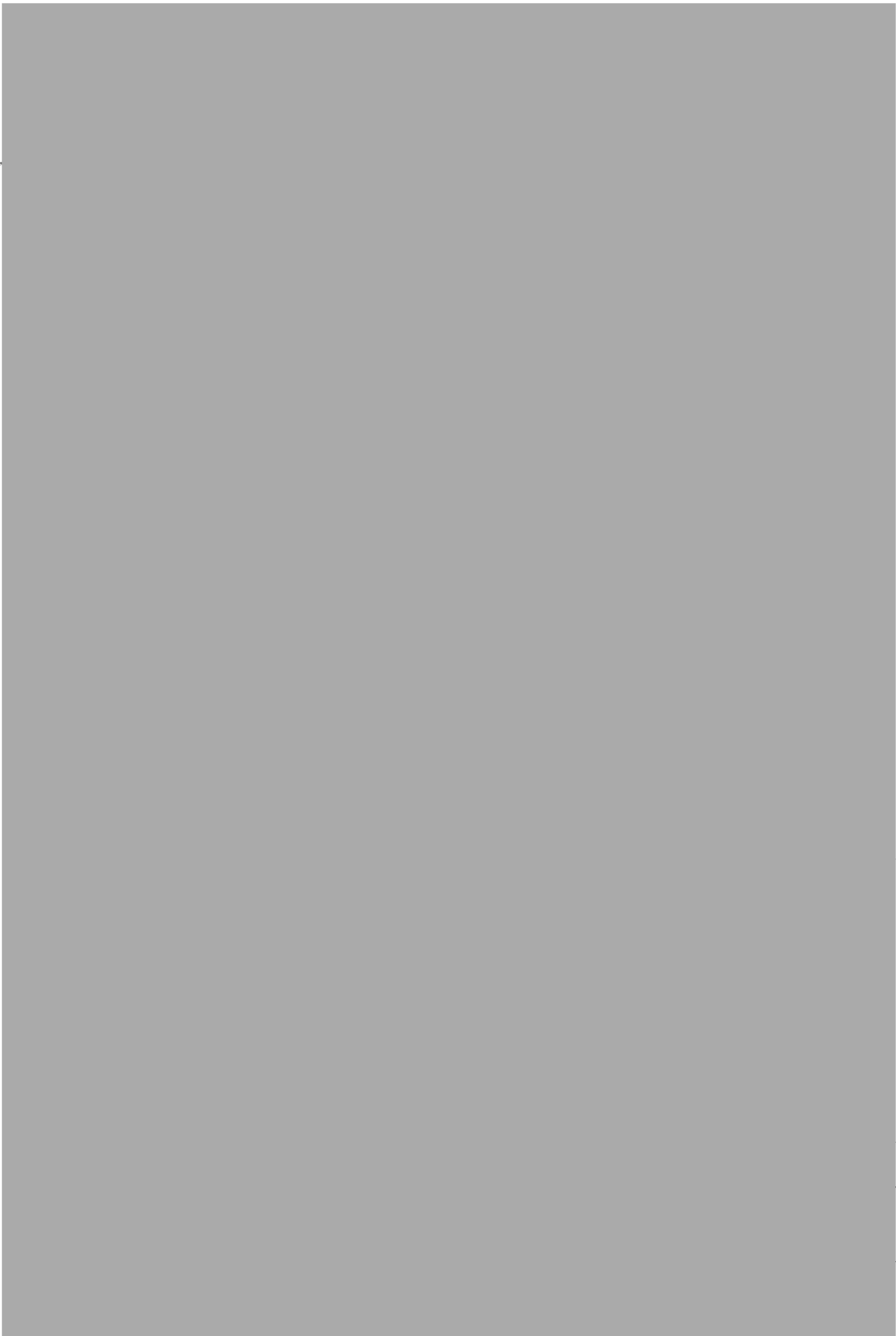




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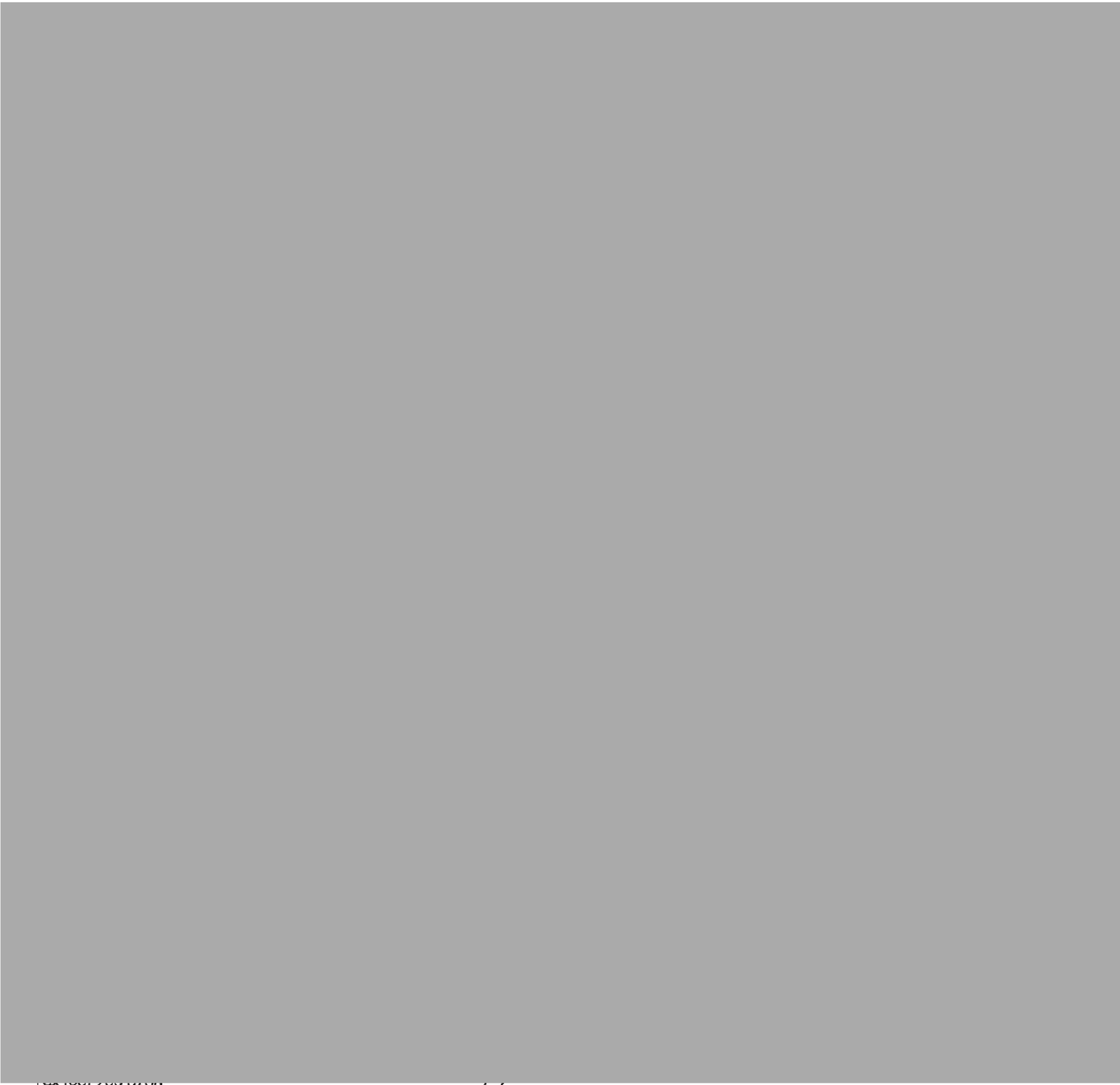




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s47F

Dear  s47F

Thank you for your letter concerning the allowance of left hand drive vehicles in Australia. I regret the delay in responding.



s47F

In relation to the Limo-Trike, I am advised that the Department of Transport and Regional Services has not received an application for its approval, therefore I cannot comment on its specifications. I expect the appropriate State or Territory regulatory authorities are dealing with the matter directly and they will ensure that all relevant safety standards are met.

Thank you for bringing this matter to my attention.

Yours sincerely

Senator Ron Boswell

179th AMVCB MEETING

CHAIRMAN'S NOTES

7(d) PROTOTYPE 3 WHEELED VEHICLE

Document: CB97/3442 CB97/3453

DISCUSSION

Vehicle being constructed in WA is basically a 3 wheeled limousine

- V6 engine mounted east/west in rear of vehicle
- front wheel & forks are from a Harley Davidson motorcycle
- driver will be seated on car type seat and control motorcycle front end via handlebars
- body is fibreglass shell mounted on RHS steel frame/chassis.

You may wish WA member to brief members on WA views.

WA view on classification of vehicle:

- provided GVM is < 1 tonne could be classified as Motor Tricycle (LEP1)
- estimated GVM may exceed 1 tonnes then vehicle would be classified as either a passenger car (MA) or Forward Control Passenger Vehicle (MB)
 - : MB classification would depend on definition of 'steering wheel' for this vehicle
- vehicle could not meet MA and MB ADR 69 requirements.

WA intending to license for trial and evaluation. Applicant has indicated desire to produce several vehicles and would have to obtain low volume CPA

- concern with intent to use vehicles for hire and reward.

FORS position on vehicle:

- use should be allowed only subject to it meeting all applicable ADRs
- considering vehicle cannot meet ADR 69 can only be certified under the Motor Tricycle category
- should be made clear to developer that vehicle GVM should be less than 1 tonne to be eligible for this category.

ATTITUDE

Seek members' views on how they would deal with such a vehicle.

Seek members' views on proposed vehicle category.

DOCUMENT: CB97/3453
ISSUED: November 1997

THREE WHEEL VEHICLE

Department of Transport, Western Australia submitted a paper for circulation to Board members for comments (document CB97/3442 refers). FORS has following additional comments on the paper.

FORS view is that use of such a vehicle be allowed only subject to it meeting all the ADRs applicable. Considering it would not be possible for the suggested design to meet ADR 69, the vehicle can be certified only under Motor Tricycle category. It needs to be made clear to the developer that vehicle 'Gross Vehicle Mass' should be less than 1 tonne to be able to be eligible under Motor Tricycle category.

Submitted for consideration.



20 AUG 1997

TRANSPORT
Department of Transport

The Chairperson
Australian Motor Vehicle Certification Board
Federal Office of Road Safety
GPO Box 594
CANBERRA ACT 2601

August 14, 1997

Attention: Mr Joe White

FOR THE USE OF MEMBERS ONLY
AND NOT FOR PUBLICATION

Document: **CB97/3442**

November 1997

Prototype Three Wheel Vehicle

We would like the following matter to be discussed at the next meeting in August 1997.

An applicant has notified us of a vehicle that he is currently having constructed. The particular vehicle is based on a similar type that he saw in America.

As indicated, on the enclosed photographs and drawings, the vehicle is basically a three wheeled "limousine". It has a V6 car motor mounted in East/West configuration located at the rear of the vehicle. The front wheel and forks are from a Harley Davidson motorcycle. The vehicle will be driven and steered from this front end with the driver seated on a car type seat and controlling the motorcycle front fork assembly via handlebars. The vehicle body consists of a fibreglass shell mounted onto an RHS steel framework/chassis.

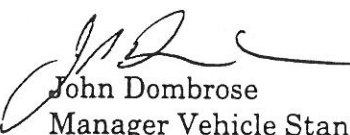
As this vehicle is a new prototype we believe that it should comply with the intent of the Australian Design Rules. To this end we have ascertained that, provided the "Gross Vehicle Mass" is less than 1 tonne, it would be classified as a Motor Tricycle (LEP1). Enclosed is a list of the relevant ADR's that would need to be met.

At this stage the gross vehicle mass is not known. However, we estimate that it may exceed the 1 tonne limit. If this is the case, then from our interpretation of the ADR's, the vehicle would have to be classified as either a Passenger Car (MA) or as a Forward Control Passenger Vehicle (MB). The MB classification would be dependent on how the Board defined the "Steering Wheel" for this particular vehicle.

A major problem arises with these latter classifications in meeting the intent of ADR 69 "Occupant Protection". With the motorcycle type front end it would not be possible to pass a crash barrier test.

We are considering licensing this prototype vehicle for trial and evaluation purposes. However, the applicant has indicated his desire to produce several of these vehicles, in which case he would have to obtain low volume certification from the FORS. Also of concern is his intention to use these vehicles as hire and reward limousines.

We would appreciate the Board members comments on how they would deal with this vehicle.


John Dombrose
Manager Vehicle Standards

97080034

Motor Tricycle (LE)

A motor vehicle with 3 wheels symmetrically arranged in relation to the longitudinal median axis, with a "Gross Vehicle Mass" not exceeding 1.0 tonne and either an engine cylinder capacity exceeding 50 ml or a "Maximum Motor cycle Speed" exceeding 50 km/h.

Sub category LEP1

- - over 450 kg "Unladen Mass" and/or
- the driver's "Seat" is not of a saddle type and/or
- has more than two seating positions and/or
- has a permanent structure to the rear of and
- 200 mm above the undeformed upper surface of the driver's "Seat" cushion and
- one wheel at the front, 2 at rear.

Applicable ADR's

1/00	Reversing Lamps	1/7/92
2/00	Side Door Latches and Hinges	1/3/91
3/02	Seats and Seat Anchorages	1/3/95
4/02	Seatbelts	1/7/96
5/03	Anchorages for Seatbelts & Child Restraints	1/7/96
6/00	Direction Indicator Lamps	1/7/92
7/00	Hydraulic Brake Hoses	1/7/88
8/01	Safety Glazing Material	1/3/94
10/01	Steering Column	1/7/92
11/00	Internal Sun Visors	1/7/92
12/00	Glare Reduction in Field of View	1/7/92
14/02	Rear Vision Mirrors	1/7/92
15/01	Demisting of Windscreen	1/7/92
16/01	Windscreen Wipers and Washers	1/7/92
18/02*	Instrumentation	1/7/95
19/02	Lighting & Light Signalling Devices	1/1/97
20/00	Safety Rims	1/7/92
21/00*	Instrument Panel	1/7/92
22/00	Head Restraints	1/7/92
23/01	Passenger Car Tyres	1/7/92
24/02	Tyre and Rim Selection	1/7/92
25/02	Anti-Theft Lock	1/7/92
28/01	External Noise	1/7/92
29/00*	Side Door Strength	1/7/92
31/00	Hydraulic Brake Systems	1/7/92
33/00*	Brake Systems for Motorcycles	1/7/92
34.01*	Child Restraint Anchorages	1/1/95
37/01	Emission Control	1/1/97)
41/00*	Unleaded Fuel	1/3/91
42/02*	General Safety Requirements	1/7/92
42/03	General Safety Requirements	(after 3/98)
43/03	Vehicle Configuration & Dimensions	1/3/94
43/04	Vehicle Configuration & Dimensions	1/3/98
44/02*	Specific Purpose Vehicle Requirements	1/3/93
45/01	Lighting Requirements not covered by ECE	1/3/92
46/00	Headlamps	1/7/92
47/00	Reflex Reflectors	1/10/91
48/00	Rear Registration Plate Lighting	1/7/92
49/00*	Side, Stop, End Outline Marker Lamps	1/7/92
51/00	Filament Globes	
53/00	Plate Lamps for L Group	1/10/91
55/00	Headlamps for L Group	1/10/91
60/00	Centre High Mounted Stop Lamp	1/7/92
61/01	Vehicle Marking	1/3/93
61/02	Vehicle Marking	1/7/95
62/00	Mechanical Connections Between Vehicles	
62/01	Mechanical Connections Between Vehicles	(after 3/98)
67/00	Lighting & Light Signalling on Three Wheel Vehicles	1/7/92

Passenger Car (MA)

A passenger vehicle, not being an off-road passenger vehicle or a forward-control passenger vehicle, having up to 9 seating positions, including that of the driver.

Our current interpretation is that if the "Gross Vehicle Mass" exceeds 1.0 tonne then it should be classified as either a Passenger Car (MA) or a Forward Control Passenger Vehicle (MB). If MA then the following ADR's would apply (NB. "ADR 69/00 Occupant Protection").

Applicable ADR's

1/00	Reversing Lamps	1/10/91
2/00	Side Door Latches and Hinges	1/7/88
3/02	Seats and Seat Anchorages	1/1/95
4/02	Seatbelts	1/7/96
5/03	Anchorages for Seatbelts & Child Restraints	1/7/96
6/00	Direction Indicator Lamps	1/10/91
7/00	Hydraulic Brake Hoses	1/7/88
8/01	Safety Glazing Material	1/1/94
10/01	Steering Column	1/7/90
11/00	Internal Sun Visors	1/7/88
12/00	Glare Reduction in Field of View	1/7/88
13/00	Lighting & Light Signalling	1/10/91
14/02	Rear Vision Mirrors	1/1/93
15/01	Demisting of Windscreen	1/1/93
16/01	Windscreen Wipers and Washers	1/1/93
18/02*	Instrumentation	1/7/95
20/00	Safety Rims	1/7/88
21/00*	Instrument Panel	1/7/88
22/00	Head Restraints	1/7/88
23/01	Passenger Car Tyres	1/1/90
24/02	Tyre and Rim Selection	1/1/93
25/02	Anti-Theft Lock	1/1/92
28/01	External Noise	1/1/92
29/00*	Side Door Strength	1/7/88
31/00	Hydraulic Brake Systems	1/7/88
34.01*	Child Restraint Anchorages	1/1/95
37/01	Emission Control	1/1/97)
42/02*	General Safety Requirements	1/1/93
42/03	General Safety Requirements	(after 3/98)
43/03	Vehicle Configuration & Dimensions	1/1/94
43/04	Vehicle Configuration & Dimensions	1/1/98
44/02*	Specific Purpose Vehicle Requirements	1/1/93
45/01	Lighting Requirements not covered by ECE	1/1/92
46/00	Headlamps	1/10/91
47/00	Reflex Reflectors	1/10/91
48/00	Rear Registration Plate Lighting	1/10/91
49/00*	Side, Stop, End Outline Marker Lamps	1/10/91
51/00	Filament Globes	
60/00	Centre High Mounted Stop Lamp	1/7/89
61/02	Vehicle Marking	1/1/95
62/00	Mechanical Connections Between Vehicles	1/1/92
62/01	Mechanical Connections Between Vehicles	(after 1/98)
67/00	Lighting for 3 Wheel Vehicles	1/7/92
69/00	Occupant Protection	1/7/95
71/00	Temporary Use Spare Tyres	1/7/97
72/00	Dynamic Side Impact	(after 1/99)

Forward Control Passenger Vehicle (MB)

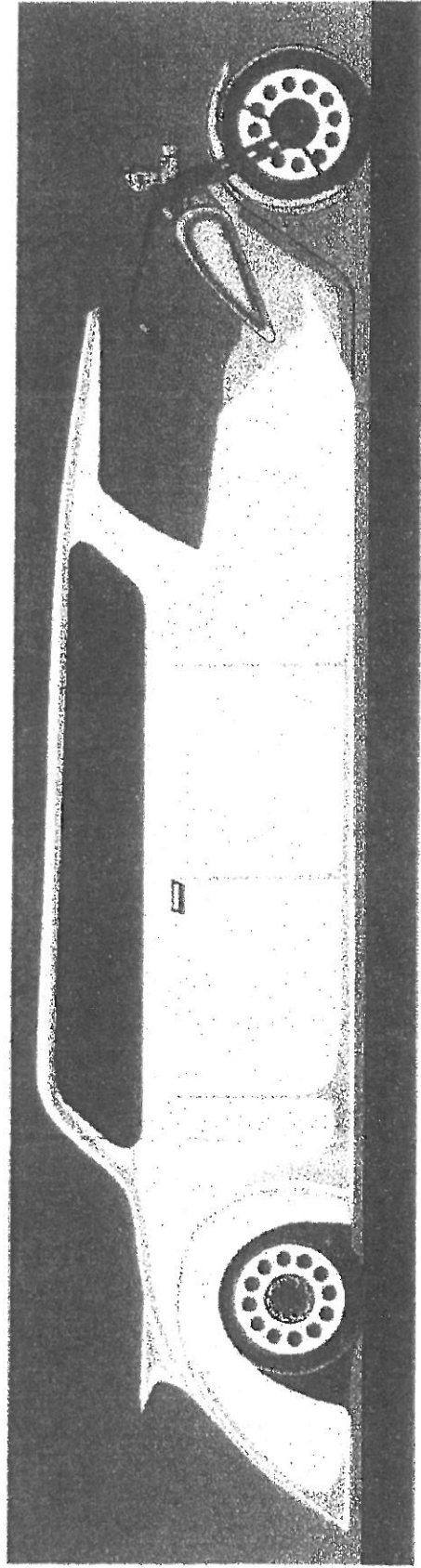
A passenger vehicle, not being an off-road passenger vehicle, having up to 9 seating positions, including that of the driver, and in which the centre of the steering wheel is in the forward quarter of the vehicle's total length.

Our current interpretation is that if the "Gross Vehicle Mass" exceeds 1.0 tonne then it should be classified as either a Passenger Car (MA) or a Forward Control Passenger Vehicle (MB). If MB then the following ADR's would apply (NB. "ADR 69/00 Occupant Protection").

Applicable ADR's

1/00	Reversing Lamps	1/10/91
2/00	Side Door Latches and Hinges	1/7/88
3/02	Seats and Seat Anchorages	1/1/95
4/02	Seatbelts	1/7/96
5/03	Anchorages for Seatbelts & Child Restraints	1/7/96
6/00	Direction Indicator Lamps	1/10/91
7/00	Hydraulic Brake Hoses	1/7/88
8/01	Safety Glazing Material	1/1/94
10/01	Steering Column	1/7/90
11/00	Internal Sun Visors	1/7/88
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13/00	Lighting & Light Signalling	1/10/91
14/02	Rear Vision Mirrors	1/1/93
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16/01	Windscreen Wipers and Washers	1/1/93
18/02*	Instrumentation	1/1/95
20/00	Safety Rims	1/7/88
22/00	Head Restraints	1/7/88
23/01	Passenger Car Tyres	1/1/90
24/02	Tyre and Rim Selection	1/1/93
25/02	Anti-Theft Lock	1/1/92
28/01	External Noise	1/1/92
29/00*	Side Door Strength	1/1/96
34.01*	Child Restraint Anchorages	1/1/95
35/00	Commercial Vehicle Brake Systems	1/7/88
37/01	Emission Control	1/1/98)
42/02*	General Safety Requirements	1/1/93
42/03	General Safety Requirements	(after 3/98)
43/03	Vehicle Configuration & Dimensions	1/1/94
43/04	Vehicle Configuration & Dimensions	1/1/98
44/02*	Specific Purpose Vehicle Requirements	1/1/93
45/01	Lighting Requirements not covered by ECE	1/1/92
46/00	Headlamps	1/10/91
47/00	Reflex Reflectors	1/10/91
48/00	Rear Registration Plate Lighting	1/10/91
49/00*	Side, Stop, End Outline Marker Lamps	1/10/91
51/00	Filament Globes	
60/00	Centre High Mounted Stop Lamp	1/7/96
61/02	Vehicle Marking	1/1/95
62/00	Mechanical Connections Between Vehicles	1/1/92
62/01	Mechanical Connections Between Vehicles	(after 1/98)
67/00	Lighting for 3 Wheel Vehicles	1/7/92
69/00	Occupant Protection	1/1/98
71/00	Temporary Use Spare Tyres	1/7/97

THE VEHICLE



Australia's first
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