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WA Performance Based Standards (PBS) Scheme Vehicle Certification Rules

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D20#774907
September 2025

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Document Control

Owner	Director Heavy Vehicle Services
Custodian	Manager Heavy Vehicle Road Network Access
Document Number	D20#774907
Issue Date	4 November 2020
Review Frequency	As required

Amendments

Revision Number	Revision Date	Description of Key Changes	Section / Page No.
1	15/06/2022	Clarified Braking and Stability System requirements. Removed appendices. Referred to relevant declaration template titles within the relevant sections. Clarified manufacturer accepted declarations.	cl.4.3 cl.5.1 cl.5.6
2	12/09/2022	Added reference to <i>WA Performance Based Standards (PBS) - Road Train TEBS Voltage Test Procedure</i> .	cl.5.6
3	4/12/2023	Updated to meet current practice of inspecting and approving vehicle models.	All
4	30/09/2025	Added Self Certification provisions.	All

REFERENCES AND RELATED DOCUMENTS

The following documents are related to the WA PBS Scheme and the vehicle certification process. These documents are available on the Performance Based Standards (PBS) page on the Main Roads website.

Document Name	Location
WA PBS Manufacturer's Vehicle Certification Application	Performance Based Standards (PBS) Page
WA PBS Vehicle Certification Application	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-performance-based-standard-scheme-vehicle-certification-application.pdf?v=48ecd9
PBS Vehicle Dimension Guide	Performance Based Standards (PBS) Page
WA Performance Based Standards (PBS) Scheme – Access Levels and Principles	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-performance-based-standards-pbs-scheme-access-levels.pdf?v=48f8d9
WA Performance Based Standards (PBS) Scheme – Application and Approval Process	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-performance-based-standards-pbs-scheme-application-and-approval-process-as-at-5-november-2020.pdf?v=4928b3
WA Performance Based Standards (PBS) Scheme – Assessment Results (Part A)	https://www.mainroads.wa.gov.au/heavy-vehicles/permit-order-scheme/PBS/
WA Performance Based Standards (PBS) Scheme – Audit Framework	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-performance-based-standards-pbs-scheme-audit-framework.pdf?v=4928cb
WA Performance Based Standards (PBS) Scheme - Manufacturer's Declaration - Towing Vehicle	https://www.mainroads.wa.gov.au/heavy-vehicles/permit-order-scheme/PBS/
WA Performance Based Standards (PBS) Scheme - Manufacturer's Declaration – Trailer	https://www.mainroads.wa.gov.au/heavy-vehicles/permit-order-scheme/PBS/
WA Performance Based Standards (PBS) Scheme - Road Train TEBS Voltage Test Procedure	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-pbs-scheme-road-train-tebs-voltage-test-procedure.pdf?v=4a65ab

Document Name	Location
WA Performance Based Standards (PBS) Scheme – Standards and Vehicle Assessment Rules	https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/getting-a-permit/pbs/wa-performance-based-standards-pbs-scheme-standards-and-vehicle-assessment-rules.pdf?v=49a411
WA Performance Based Standards (PBS) Scheme - Trailer Manufacturer's Checklist	https://www.mainroads.wa.gov.au/heavy-vehicles/permit-order-scheme/PBS/
WA Performance Based Standards (PBS) Scheme - Vehicle Certification Guidelines	Performance Based Standards (PBS) Page
WA Performance Based Standards (PBS) Scheme – Vehicle Specifications (Part B)	https://www.mainroads.wa.gov.au/heavy-vehicles/permit-order-scheme/PBS/

1 PURPOSE

The purpose of these rules is to outline the process and requirements when certifying a vehicle in accordance with a Vehicle Design Approval issued under the WA Performance Based Standards (PBS) Scheme.

2 SCOPE

These rules apply to the WA Performance Based Standards (PBS) Scheme only. They do not apply to PBS vehicles certified under the National PBS Scheme.

3 CONDUCTING CERTIFICATION INSPECTIONS

3.1 Who Can Undertake WA PBS Vehicle Certifications

- 3.1.1 Certifications may be undertaken by either the vehicle manufacturer, the vehicle dealer or the transport operator.
- 3.1.2 HVS may conduct random certification inspections or engage an independent third party to conduct a certification inspection.

3.2 Audits and On-roads Inspections

HVS will conduct physical random audits of certified vehicles and compliance officers will conduct on-road inspections to ensure the vehicle has been correctly certified and maintained in accordance with the *WA Performance Based Standards (PBS) Scheme – Vehicle Specifications (Part B)* specifications.

4 CONSEQUENCES OF INCORRECT CERTIFICATION

When certifying a PBS vehicle, the certifier is declaring the information provided is correct and the vehicle meets the required specifications. Making a false or misleading declaration may result in one or more of the following actions:

- (a) Prosecution for making a false or misleading declaration;
- (b) Prosecution for breach of PBS Permit requirements;
- (c) Suspension of all permits related to the vehicle design applicable to the certification.

5 CERTIFICATION PROCESS & EVIDENCE

5.1 Completing a Certification

- 5.1.1 The certifier must collate the information outlined in this section to verify the vehicle meets the required specifications in the *WA Performance Based Standards (PBS) Scheme – Vehicle Specifications (Part B)* form and Vehicle Design Approval, provided by HVS.
- 5.1.2 Auditable records of the evidence outlined in this section must be maintained by the certifier.

5.2 Engine, Driveline, Suspension and Tare Mass Details

- 5.2.1 A manufacturer's declaration must be obtained clearly stating the following specifications that are unable to be visually inspected:
 - (a) Engine power and torque;
 - (b) Clutch engagement torque;
 - (c) Gearbox ratios;

- (d) Differential final drive ratios;
- (e) Differential torque distribution;
- (f) Suspension;
- (g) Vehicle tare mass.

5.2.2 Declarations from motor vehicle dealers on behalf of the motor vehicle manufacturer are acceptable evidence for the purpose of this clause.

5.3 Tyres

The certifier must physically inspect and record the tyre size and load index.

5.4 Tow Couplings

5.4.1 The certifier must physically inspect the tow couplings and record the coupling type, position and ratings.

5.4.2 If other evidence is required, such as strength testing or angle of lash, HVS will require the manufacturer to provide sufficient evidence in the form of a declaration and / or an Australian Design Rule (ADR) compliance report.

5.5 Braking and Stability System

5.5.1 The certifier must physically inspect and record details of the braking system.

5.5.2 The certifier must verify plates or stickers are fitted to each trailer to confirm the vehicle is fitted with EBS.

5.5.3 "End of Line" test results for each unit fitted with EBS must be obtained.

5.6 Vehicle Measurements

5.6.1 The certifier must physically measure each part of the vehicle combination in accordance with the vehicle schematic and other dimensions specified in the *WA Performance Based Standards (PBS) Scheme – Vehicle Specifications (Part B)* form and Vehicle Design Approval.

5.6.2 A tolerance of 20mm or 1%, whichever is the lesser, may be applied to all dimensions, other than to maximum and minimum dimensions set by HVS, e.g. maximum combination length limits and minimum axle spacing requirements.

5.7 Other Evidence

The manufacturer may be required to provide additional information at the request of HVS, such as but not limited to, specific test results, unladen centre of gravity height and steerable trailer axle specifications.

6 REQUIREMENT TO SUBMIT AUDITABLE RECORDS

The certifier must submit auditable records of the evidence of certification upon request by HVS. Failure to submit the records within the specified timeframe may result in suspension of permits related to the vehicle design.