

HEAVY VEHICLE MODIFICATIONS

Checklist - S7

**RATING OF AGGREGATE TRAILER MASS  
TO S12 APPROVED DESIGN OR WITHIN  
MANUFACTURER'S SPECIFICATION**

**1.0 Trailer particulars**

Make / Model:  Month / Year of Manufacture:

Chassis No./VIN:

Wheelbase:  mm Overhang:  mm

Forward radius:  mm Tow coupling overhang:  mm (if applicable)

Drawbar length:  mm (if applicable)

Tare Mass:  kg

Modified GVM:  kg

Modified ATM:  kg

**1.1 Componentry details**

Component:	Make/model:	Compliance Mark Approval:	Load rating:
Control system:	<input type="text"/>	<input type="text"/>	
Braked axles:	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
Front suspension:	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
Rear suspension:	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
Tyre size:	<input type="text"/>		<input type="text"/> kg

  

Axle group:	Front			Rear			
Axle number:	1	2	3	1	2	3	4
Brake chamber size:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Slack Adjuster length:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Axle group loads:	<input type="text"/> kg			<input type="text"/> kg			
Chassis section:	<input type="text"/>						
Tow coupling / Fifth wheel:							
Make/model:	<input type="text"/>				D-rating:	<input type="text"/>	

**1.2 Basis for rating determination**

Reference Trailer make/model used for comparison:

Compliance Plate Approval number if ADR 38/.. approved:

or

S12 Certifying Officer's identity:

S12 Certifying Officer's No. and Certificate No:

(Y=Yes, N= No or N/A=Not Applicable)

**2.0 General**

- 2.1 Have details of the reference trailer model used for comparison been retained for future audit?  
or
- 2.2 Has a copy of the S12 Certifying Officer's certificate and checklist been retained for future audit?

**3.0 Chassis**

- 3.1 Does the chassis conform to the detail construction, section properties and cross-member location of the comparison chassis or the S12 Certifying Officer's report?
- 3.2 Are the trailer dimensions within the permitted maximum limits?

**4.0 Brake system**

- 4.1 Is the trailer's entire braking system, including brake chamber sizes and slack adjuster length setting, identical to the braking system of the reference comparison trailer or the S12 report specification?
- 4.2 Have the brake system piping lengths been established to not exceed the maximum lengths specified in the control system manufacturer's certified data sheet?
- 4.3 Does the parking brake ability exceed 18% gradient at the modified ATM?

**5.0 Tyres and Rims**

- 5.1 Does the tyre placard (if fitted) record the correct tyre and rim sizes, axle configurations, axle loads and inflation pressures for the modified trailer?
- 5.2 Are tyres and rims fitted in conformance to the tyre placard?

**6.0 Tow Coupling**

- 6.1 Do the tow coupling, tow coupling mounting and drawbar (if applicable) meet the requirements of ADR 62/..?

**7.0 Mechanical condition**

- 7.1 Is the trailer in satisfactory mechanical condition?

**8.0 Workmanship**

- 8.1 Is the quality of workmanship to a satisfactory standard?

**NOTE: If the answer to any relevant question is "NO", the modification is not acceptable.**

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Trailer Modified By:

Examined and Approved By:

Company (if applicable):

Modification Plate No. issued:

Certificate number issued:

Signed when printed:  Certifying Officer No:

Date: