

HEAVY VEHICLE MODIFICATIONS

Checklist for Modification Code S9

RATING OF PRIME MOVER AND TRAILERS FOR USE IN B-DOUBLE

1.0 Prime mover unit

1.1 Vehicle componentry:

Vehicle make / Model: Reg. No:

Chassis No/VIN: Year of Mfr:

Engine make/mode: Engine No:

Rated power @ rpm: Governed rpm:

Max torque @ rpm: Nm

Tailshaft series/size: Mfrs max torque: Nm

Component:	Make/model	OEM Max load Rating		
		GVM	GCM	
Transmission:	<input type="text"/>		<input type="text"/>	kg
Low/Top ratios:	<input type="text"/> / <input type="text"/> :1			
Aux. Transmission:	<input type="text"/>		<input type="text"/>	kg
Low/Top ratios:	<input type="text"/> / <input type="text"/> :1			
Rear Axle:	<input type="text"/>	<input type="text"/>	<input type="text"/>	kg
Low/Top ratios:	<input type="text"/> / <input type="text"/> :1			
Rear suspension:	<input type="text"/>	<input type="text"/>	<input type="text"/>	kg
Front axle:	<input type="text"/>	<input type="text"/>		kg
Front Suspension:	<input type="text"/>	<input type="text"/>		kg
Tyres Front:	<input type="text"/>	<input type="text"/>		kg
Tyres Rear:	<input type="text"/>	<input type="text"/>		kg
Chassis Section:	<input type="text"/>			
Wheelbase:	<input type="text"/>	Overhang:	<input type="text"/>	
Fifth Wheel Make Model	<input type="text"/>	D-rating:	<input type="text"/>	Kn

HEAVY VEHICLE MODIFICATIONS

1.2 B-Double prime mover test results

Speed limited by: Gearing or Road Speed Governor:

Maximum governed speed: km/h

Brake timing test: **Combination** of vehicles? / **Individual** vehicle?

Test results:

Application	<input type="text"/>	ms
Release	<input type="text"/>	ms
Grade-ability: Calculated grade-ability at GCM	<input type="text"/>	%
Calculated gradeability at 70 km/h, at GCM	<input type="text"/>	%

1.3 B-Double GCM assigned

kg

Vehicle make/model, if used for comparison:

2.0 Leading Trailer particulars

Vehicle Make / Model: Reg. No:

Chassis No. or VIN: Year of Mfr:

Wheelbase: mm Overhang: mm

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

Load deck length: mm Tare Mass: kg

Manufacturers AGL: kg (or modified AGL from S7/S12 certificate)

Manufacturers ATM: kg (or modified ATM from S7/S12 certificate)

Manufacturers Trailer Plate Approval number (from plate):

2.1 Component 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
Suspension	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
Tyre size	<input type="text"/>	<input type="text"/>	<input type="text"/> kg

HEAVY VEHICLE MODIFICATIONS

Axle number	1	2	3
Brake chamber size:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Slack adjuster length:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Axle group load:	<input type="text"/> kg		
Chassis construction:	<input type="text"/>		
	<input type="text"/>		
Kingpin Make / model:	<input type="text"/>	D-rating:	<input type="text"/> kg
Rear Fifth wheel Make / model:	<input type="text"/>	D-rating:	<input type="text"/> kg

2.2 Brake timing tests (if applicable):

Application time: Rear brake chamber:	<input type="text"/> ms	Rear coupling to test cylinder:	<input type="text"/> ms
Release time: Rear brake chamber:	<input type="text"/> ms	Rear coupling to test cylinder:	<input type="text"/> ms

2.3 Diagram for entry of trailer dimensions (Please attach to trailer documentation)

3.0 Second Trailer particulars

Vehicle Make / Model:	<input type="text"/>	Reg. No:	<input type="text"/>
Chassis No. or VIN:	<input type="text"/>	Year of Mfr:	<input type="text"/>
Wheelbase:	<input type="text"/> mm	Overhang:	<input type="text"/> mm
Forward radius:	<input type="text"/> mm		
Load deck length:	<input type="text"/> mm	Tare Mass:	<input type="text"/> kg
Manufacturers AGL:	<input type="text"/> kg (or modified from S7/S12 certificate)		
Manufacturers ATM:	<input type="text"/> kg (or modified ATM from S7/S12 certificate)		
Manufacturers Trailer Plate Approval number (from plate):	<input type="text"/>		

3.1 Component 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
Suspension	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
Tyre size	<input type="text"/>	<input type="text"/>	<input type="text"/> kg

Axle number	1	2	3
Brake chamber size:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Slack adjuster length:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Axle group load:	<input type="text"/> kg		
Chassis construction:	<input type="text"/>		
	<input type="text"/>		
Kingpin Make / model:	<input type="text"/>	D-rating:	<input type="text"/> kg

3.2 Brake timing tests (if applicable):

Application time:	Rear brake chamber:	<input type="text"/> ms	Rear coupling to test cylinder:	<input type="text"/> ms
Release time:	Rear brake chamber:	<input type="text"/> ms	Rear coupling to test cylinder:	<input type="text"/> ms

HEAVY VEHICLE MODIFICATIONS

3.3 **Diagram for entry of trailer dimensions** (Please attach to trailer documentation)**4.0 GCM/ATM ratings**

Are the vehicle GCM or ATM ratings equal to or greater than the ratings required for B-Double application?

5.0 Couplings

Are the tow couplings and attachments adequate for the GCM/ATM and do they meet the requirements of Section 5.0 of this Code?

6.0 Driveline

6.1 Does the gradeability satisfy the requirement of Sections 3.1 and 3.2 of this Code?

6.2 Are the ratings of all driveline components adequate for the GCM rating of the B-Double?

6.3 In the case of a prime mover with GCM rating exceeding 42.5 tonnes, is it fitted with tandem drive axles and is it equipped to provide positive locking of the inter-axle differential?

7.0 Speed limiting

Does the vehicle satisfy the speed limiting requirements of Section 3.4 of this Code?

8.0 Braking system

Does the vehicle meet the applicable requirements, including trailer signal response time for brake application and release (if applicable) and air compressor capacity, of Section 4 of this Code?

9.0 Dimensions and axle group requirements

9.1 Do the vehicle's dimensions meet the requirements of Section 6.0 of this Code?

9.2 Are all axle groups on the vehicle "conforming" axle groups and do they comply with the applicable State Authority requirements for axle group spacing?

10.0 Electrical

Does the vehicle meet the requirements of Section 7.0 of this Code?

11.0 Lighting and signs

11.1 Do all lamps conform in specification and location to ADR 13/.. requirements?

11.2 Are prescribed "LONG VEHICLE" signs fitted in accordance with Section 11.0 of this Code?

12.0 Mechanical condition

Are the vehicles in satisfactory mechanical condition?

13.0 Workmanship

HEAVY VEHICLE MODIFICATIONS

Is the quality of workmanship of any modifications to a satisfactory standard?

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

CERTIFICATION

Prime mover:

Vehicle make/Model:

Chassis No/VIN: Year of Mfr:

Examined and Approved by:

Company (if applicable):

Modification Plate No. issued: Certificate number issued:

Signed when printed:

Certifying Officer No: Date:

First trailer:

Vehicle Make/Model:

Chassis No/VIN: Year of Mfr:

Examined and Approved by:

Company (if applicable):

Modification Plate No. issued: Certificate number issued:

Signed when printed:

Certifying Officer No: Date:

HEAVY VEHICLE MODIFICATIONS

Second trailer:

Vehicle Make/Model:

Chassis No/VIN: Year of Mfr:

Examined and Approved by:

Company (if applicable):

Modification Plate No. issued: Certificate number issued:

Signed when printed:

Certifying Officer No: Date: