

HEAVY VEHICLE MODIFICATIONS

CHECKLIST S1

**RATING OF GROSS VEHICLE MASS OR  
GROSS COMBINATION MASS  
TO S2 OR S3 APPROVED DESIGN OR WITHIN  
VEHICLE MANUFACTURER'S SPECIFICATION**

1.0 Record of major component and vehicle manufacturer's load ratings:

Component	Make/model	Manufacturer's max load rating
Engine		
Transmission (Gear Box)		
Aux. Transmission		
Tailshaft		
Rear Axle		
Rear suspension		
Rear tyres		
Front axle		
Front suspension		
Front tyres		
Chassis section		
Wheelbase		
Modified GVM		
Modified GCM		

Identify major components above and where applicable record their maximum load rating by the manufacturer. Indicate what unit are being used for the ratings eg. Kg, ft.lbs, Nm as appropriate.

(Yes No N/A)

- 2.0 Is the modified GVM/GCM within the component manufacturer's limits?
- 3.0 Have the details of the components of the vehicle model used for reference been retained for future audit? Or has a copy of the S2/S3 Certifying Officer's certificate and checklist been retained for future audit?
- 4.0 Is the vehicle's entire braking system, (including air compressor) identical to the braking system of the reference vehicle or according to the S2/S3 report specification?
- 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 tyre inflation pressures for the modified vehicle?
- 5.2 Are the tyres and rims fitted to the vehicle in accordance with the tyre placard?
- 6.0 Has gradeability been established as adequate for the modified GVM/GCM?
- 7.0 Is the vehicle chassis (including chassis rail, reinforcements and cross-members) identical to the chassis of the reference vehicle or in accordance with the S2/S3 Certifying Officer's specification?
- 8.0 Is the vehicle's steering system equivalent to that fitted by the vehicle manufacturer on the Reference vehicle, or does it meet the requirements of Code E2?
- 9.0 Is the vehicle in satisfactory mechanical condition?
- 10.0 Is the quality of workmanship to a satisfactory standard?

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

Vehicle Make/Model:

Chassis No./VIN:  Year of Mfr:

Vehicle Modified By:

Vehicle make/model used for comparison:

o  
r  
Certifying S2/S3 Officer's identity:

S2/S3 **Officer's number** and **certificate number**:

Examined and Approved By:

Examined by:

Company (if applicable):

Certifying Officer No:  Modification Certificate No:

Modification Plate No:

Signed when printed:  Date: