

HEAVY VEHICLE MODIFICATIONS

CHECKLIST H5

TRAILER CHASSIS MODIFICATIONS

(Y= Yes, N= No or NA= Not Applicable)

- 1. Is the modified chassis configuration the same configuration as the original chassis (i.e. is the category of registration unchanged)?
 - 2. Is the slope, camber, and skid plate height suitable for the intended application of the trailer?
 - 3. Has the chassis been shown to be of sufficient strength with a suitable factor of safety for the proposed mass rating of the trailer?
 - 4. Does the chassis have suitable torsional characteristics for the intended application of the trailer?
 - 5. Have materials of the correct dimension and specification been used in the modification of the chassis?
 - 6. Do all changes in section have a smooth transition?
 - 7. Is the cross member design and spacing adequate for the intended application of the trailer and nature of the load?
 - 8. Are the cross members fastened only to the webs of the main rails?
 - 9. Are the cross member to main rail connections suitably reinforced?
 - 10. Are all container twist locks adequately connected to the chassis and all cross members that support container twist locks of sufficient strength?
 - 11. Are all suspension brackets suitably and adequately attached to the chassis?
 - 12. Has the chassis been suitably reinforced at the attachment positions of the suspension hanger brackets?
 - 13. Has the suspension assembly(s) suitable cross bracing?
 - 14. Do all suspension, axle, wheel, and chassis components have sufficient clearance to accommodate the entire range of travel of the suspension, including the complete deflation of an air bag in an air suspension?
 - 15. Are all joins in the chassis in regions of low stress, or if not, have the joins been adequately reinforced?
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- 16. Have good welding practices been followed?
- 17. Does the trailer meet the requirements of Section G of this National Code of Practice?
- 18. Do all towing devices on the trailer meet the requirements of Section P of this National Code of Practice?
- 19. Have the general requirements of Section 5 of this National Code of Practice been met?
- 20. Is the quality of workmanship to a satisfactory standard?
- 21. Has the Vehicle Stability System, if fitted, been validated by the vehicle or equipment manufacturer as being correctly set up for the changed specification?

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

Trailer Make/Model:

Vehicle Chassis No/VIN:

Vehicle Modifier:

Examined by:

Company (if applicable):

Certifying Officer No:

Modification Cert No:

Signed when printed:

Date: