### Vehicle and modifier details

|  |  |  |
| --- | --- | --- |
| Vehicle make: | Vehicle model: | Month and year of manufacture: |
|  |  |  |
| VIN (if applicable): | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): |
|  |  |  |

### Advanced braking systems

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Braking systems | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Is the advanced braking system (where fitted) un-affected or re-certified after the vehicle modification? | |  |  |  |

### Modification details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modification criteria | | Check Yes or No as applicable: | Yes | No |  |
| 1 | Has the modification been performed in accordance with the manufacturer’s guidelines? | |  |  |  |

### Installation details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Frame | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Are all of the dimensions of the frame rail (including all sections of a multichannel frame) identical to that offered by the manufacturer for the equivalent model or acceptable as per the relevant engineer’s calculation? | |  |  |  |
| 2 | Are the dimensions of the additional reinforcement identical to those stated in the calculations? | |  |  |  |
| 3 | Are the material specifications and tensile yield strength of the original frame rail, frame rail extension and additional reinforcement compatible? | |  |  |  |
| 4 | Is the modified chassis frame of sufficient strength for the proposed application? | |  |  |  |
| 5 | Is the stress at maximum load less in the modified frame than in a standard unmodified vehicle with the same chassis rail and an equal or longer wheelbase, or within the acceptable factor of safety as per relevant engineer’s calculations? | |  |  |  |
| 6 | Is the type of additional reinforcement as per the manufacturer's recommendations or as per VSB6 Section H? | |  |  |  |
| 7 | Is the location and attachment of additional reinforcement as per the manufacturer's recommendations or VSB6 Section H? | |  |  |  |
| 8 | Are all the additional cross members of the same design, material specifications, dimension and equivalent attachment as that offered by the manufacturer for the original vehicle? | |  |  |  |
| 9 | Is the spacing of the cross members on the modified chassis no more than the manufacturer's standard cross member spacing for that model vehicle or alternatively this VSB6 Section H? | |  |  |  |
| 10 | Are the chassis modifications in accordance with the manufacturer's recommendations or, where the manufacturer's recommendations are unavailable, VSB6 Section H? | |  |  |  |
| Vehicle specifications | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 11 | Has the vehicle been shown to comply with the requirements of applicable VSB6 Section G — Brakes? | |  |  |  |
| 12 | Has the *vehicle stability system*, if fitted, been validated by the vehicle or equipment manufacturer as being correctly set up for the changed specification? | |  |  |  |
| Welding | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 13 | Has welding been performed in accordance with the manufacturer's recommendations, or, where the manufacturer's recommendations are unavailable, VSB6? | |  |  |  |
| 14 | Has the welding been performed by a suitably qualified tradesperson and to accepted industry standards? | |  |  |  |
| Heat treated frame rail | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 15 | When establishing the size of additional reinforcement, has allowance been made for the reduction in material strength due to welding? | |  |  |  |
| Driveline | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 16 | Have the modification(s) to the driveline been completed in accordance with VSB6 Section B — Transmissions and VSB6 Section C — Tail shafts, as applicable? | |  |  |  |

### Compliance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modification | | Check Yes or No as applicable: | Yes | No |  |
| 1 | Does this modification meet all the requirements of the manufacturer’s guidelines / Modification Code H1? | |  |  |  |
| 2 | Does the modified vehicle satisfy the requirements of the relevant heavy vehicle standards regulation and regulation mass limits imposed by the relevant heavy vehicle regulator? | |  |  |  |
| 3 | Have all of the modification details and all calculations applicable to the modification been recorded in accordance with the record keeping requirement of VSB6? | |  |  |  |
| 4 | Is the quality of the work to an accepted industry standard? | |  |  |  |
| 5 | Does the vehicle continue to comply with ADRs and heavy vehicle standards regulations affected by the modification? | |  |  |  |

### Authorisation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Other than modification criteria, if the answer to any relevant question is NO the modification is not acceptable.** | | | | |
| **Comments:** |  | | | |
| Examined by: | | Company (if applicable): | | AVE no.: |
|  | |  | |  |
| Signed: | | Modification certificate no.: | Modification plate no.: | Date: |
|  | |  |  |  |