TRUCK MOUNTED ATTENUATOR (TMA) NATIONAL REGISTER

Introduction

1. Over the next six months NZTA intends to prepare a national TMA register and conduct a national survey of truck weights and the associated attenuator systems to ensure that the systems in use in New Zealand comply with NCHRP standards.

Process

2. The process will involve the following stages:
   • Stage 1 – Collect and assemble the following TMA system information onto a national TMA register:
     o Owner
     o Truck registration plate numbers.
     o Attenuator make and model
   • Stage 2 – Enter Truck Weights, check and enter all truck weights from the NZTA vehicle registration database
   • Stage 3 Compare truck weights with the NCHRP test standard ie 9000 kg, all trucks that meet this standard will be listed immediately
   • Stage 4 – Establish compliance for any exceptions to the general test standard. Suppliers and TMA owners will be invited to provide evidence justifying lower truck weights for their make of attenuator.

Timeframe

3. The following are the completion dates for each stage:
   • Stage 1 by 30 Apr 10
   • Stage 2 by 30 Apr 10
   • Stage 3 by 30 May 10
   • Stage 4 by 30 Jun 10

Options for Underweight Trucks

4. Truck owners with underweight vehicles could consider the following remedies:
   • Add permanent weight and have vehicle inspected and reregistered with the new unladen weight
   • Change attenuators to one that makes the truck weight compliant
   • Change trucks
   • Have the supplier arrange NCHRP standard crash testing to prove that truck weight is safe
Support Vehicle Weights

5. Following an approach to suppliers for detail on the required truck weight, NZTA has established the following minimum truck weights:

<table>
<thead>
<tr>
<th>Manufacturer / Supplier</th>
<th>TMA System</th>
<th>Minimum Truck Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrier Systems Inc</td>
<td>UMAD-70k</td>
<td>9000 kg (- 400 kg)</td>
</tr>
<tr>
<td>Energy Absorption Systems Inc</td>
<td>Alpha-70k</td>
<td>6400 kg (- 400 kg)</td>
</tr>
<tr>
<td>Traffix Devices Inc</td>
<td>Scorpion 10,000</td>
<td>6400 kg (- 400 kg)</td>
</tr>
</tbody>
</table>

Truck Mounted Attenuator Register

6. A register is currently being compiled. Any organisation that has not been approached to supply this information and wishes to be placed on the register should contact:

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7. Reserved