

# 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:
    - Owner
    - Truck registration plate numbers.
    - 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:

| Manufacturer / Supplier       | TMA System      | Minimum Truck Weight |
|-------------------------------|-----------------|----------------------|
| Barrier Systems Inc           | UMAD-70k        | 9000 kg (- 400 kg)   |
| Energy Absorption Systems Inc | Alpha-70k       | 6400 kg (- 400 kg)   |
| Traffix Devices Inc           | Scorpion 10,000 | 6400 kg (- 400 kg)   |
|                               |                 |                      |
|                               |                 |                      |

## 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:

Stuart Fraser  
Senior Traffic and Safety Engineer (CoPTTM)  
DDI 04 894 6355  
M 021 533 503  
E [stuart.fraser@nzta.govt.nz](mailto:stuart.fraser@nzta.govt.nz)

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