



Submission to opportunities 24 and 25 Heavy Vehicle Roadworthiness Review – Phase 2

Workshop Solutions Introduction

Workshop Solutions is the leading manufacturer of brake testing equipment in Australia and New Zealand. We are an Australian manufacturer exporting brake testing technology around the world. We have made significant investments and spent 25 years developing brake testing technology.

Our brake testing equipment meets government regulations and standards for brake testing not only in Australia and NZ but also in Europe. Nearly 700 workshop repair centres across Australia and NZ are using our equipment on a daily basis.

We have an ongoing working relationship with Roads and Maritime Services in NSW with whom extensive testing on our equipment for the various brake tests required for modified vehicles was carried out. We are also currently working with regulatory authorities on brake testing standards for Australia and New Zealand.

Our Heavy Vehicle Brake Testers are already used by RMS authorised testing stations, Queensland and NSW Fire Departments, Australian Defence Force, truck & bus companies along with workshops and other government organisations such as local councils.

With all of the above in mind, we welcome the opportunity to provide the following submission to the National Transport Commission on the Roadworthiness Regulation Impact Statement 2015.

There is a difference between brake testing for newly designed and manufactured vehicles and trailers to meet ADR compliance measurements as compared to regular and effective brake testing for Roadworthy and maintenance requirements.

We believe documents and regulations should NOT refer to specific technology (eg roller testers, skid plates etc) rather, the technology or equipment should provide a set of required measurements and documented proof of measurement. It is the measurements that are important, not the method or technology used to achieve those results, otherwise future technologies will be forever excluded.

We recommend a national minimum standard of measurements should be required in order to prove the effectiveness of a vehicle's braking system. The following items represent a suggested list of what needs to be measured as a minimum for an **effective** brake test report!

- Maximum brake force on each wheel in Newton
- Left to right brake imbalances on each axle in %
- Brake drag on each wheel in Newton
- Deceleration on each axle in %G
- Deceleration for the total vehicle in %G
- Brake pedal force in Newton

COMMITTED TO SAFER MOTORING



Government approved equipment to measure these critical items is already available for as little as \$100 per week! Surely, given this small outlay, cost is not a prohibitive factor to make the roads safer for all of us.

Regular and effective brake testing is achievable.

Richard Gartner

Managing Director

Workshop Solutions

richard@platetronic.com

www.safe-t-stop.com

COMMITTED TO SAFER MOTORING