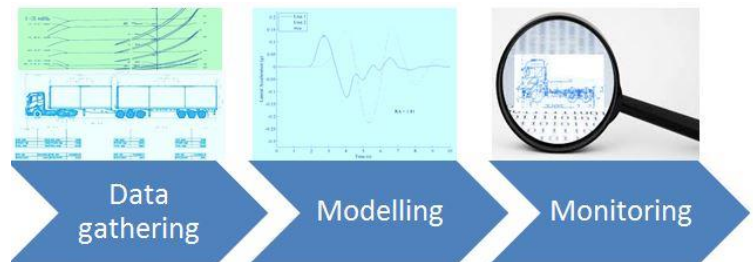


SMART TRUCK COURSE

Based on successful initiatives in Australia, New Zealand and Canada, the South African **Performance-Based Standards (PBS)** pilot project was launched under the banner of **Smart Trucks** in 2007, offering an alternative means of heavy vehicle regulation. The PBS approach promotes vehicle safety and productivity. Under the SA PBS framework, a proposed vehicle is required to pass 12 safety-governing standards and must be shown to cause less road wear than prescriptive (baseline) vehicles. The project currently comprises over 285 Smart Trucks from 22 commercial transport operators across South Africa, with a total of approximately 175 million kilometres travelled to date. Smart Trucks have shown significant benefits over prescriptive vehicles, including a 45% reduction in crashes, a 13% reduction in fuel consumption and, as result of the increased payload efficiency, a saving of 8.2 million kms and over 71 000 trips per year.

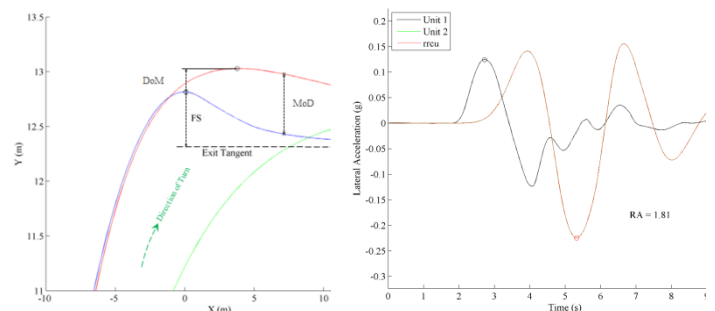
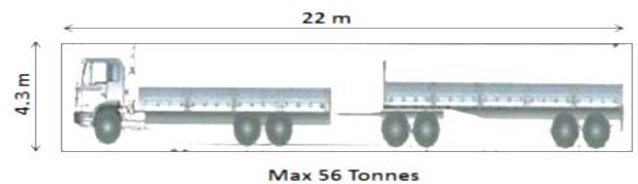


The course is intended for any person involved in the South African heavy vehicle transportation industry. The course will provide a high-level overview of PBS as well as in-depth explanations of the 12 PBS standards, as per the Australian *Performance-Based Standards Scheme*, which is administered by the **National Heavy Vehicle Regulator (NHVR)**. These standards will be presented interactively, with several group exercises.

Our **guest speaker** is Les Bruzsa, Chief Engineer from the NHVR in Australia. As a Chartered Professional Engineer, Les Bruzsa holds a Master's degree in Mechanical Engineering and his background involves more than 33 years' experience in various fields of the road transport industry both in Australia and in Europe. Les is one of the founding fathers of PBS in Australia

The course will cover the following:

- ✓ History of PBS
- ✓ Benefits of PBS
- ✓ PBS standards explained
- ✓ PBS in Australia & South Africa
- ✓ Application process
- ✓ Heavy vehicle braking
- ✓ Pro forma approach to PBS
- ✓ Latest developments
- ✓ Group exercises



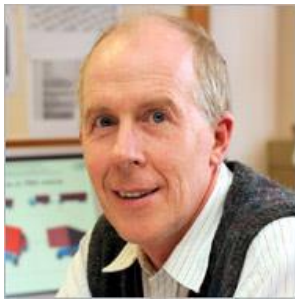


More about our **guest speaker:**

In his current position, Les is providing engineering, technical and policy leadership on the advancement of heavy vehicle productivity and safety initiatives, primarily through the continued development of PBS in Australia. He leads the continuous improvement of heavy vehicle regulations and standards and oversees a broad variety of engineering and technical activities within the NHVR. He is responsible for managing the end-to-end operation of the PBS Scheme, including the review, assessment and approval of PBS applications. Les is also involved a large number of special projects related to heavy vehicle productivity, access, safety, regulations and on-road operations.

His accomplishments include computer simulation and evaluation of the dynamic performance of heavy vehicle configurations, investigations into stability, braking, safety and design of heavy vehicle combinations, accident analysis, reconstruction and investigation.

Other presenters include:



Dr. Paul Nordengen (CSIR)



Dr. Frank Kienhöfer (Wits)



Robert Berman (CSIR)

DATE

3 - 4 October 2019 (Pretoria) and 7 - 8 October (Durban)

TIME

Day 1 (9h00 – 16h30)

Day 2 (8h30 – 15h00)

COST

R 6 785 per person (including 15% VAT)

TO RESERVE YOUR SPOT VISIT:

<https://www.rtms-sa.org/smartruckPBS>

Payment instructions on website.

For any other information or changes to bookings please contact:

Ismail Sallie (courses@rtms-sa.org and admin@rtms-sa.org) or

Paul Nordengen (pnordengen@csir.co.za)