Good morning, and welcome to Brisbane and to ISWIM 2017

One weigh or the other it's CHEK WAY™
Electronic Scales Data Logging Systems
CHEK-WAY® CWE-5000 Series

• Called the CHEK-WAY® Eliminator series which are designed and manufactured in Brisbane using our own in-house software.

• User-friendly for Static and Dynamic Weighing.
CHEK-WAY® CWE-5000 Series

INS-COM® or IN-Service COMpliance is our Patented software for the dynamic monitoring of:

● **Road Conditions and their rate of degradation**
  – Records and transmits dynamic mass data of the road condition or conditions on each trip

● **Suspension Testing**
  – Bump Test uses these dynamic mass reports to check for suspension wear, and
  – In Service Functionality or Road Friendliness to comply with NHVAS, HML permits and VSB-11.

● **Weigh-in-Motion**
  – Of each suspension group and total combined mass
CHEK-WAY® CWE-5000 Series
LOG-ON SCREEN
TYPICAL DYNAMIC MASS GRAPH
DYNAMIC MASS VALUES for B-Double – per group

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<th>Date/Time (Australian Eastern Standard Time)</th>
<th>Latitude (°)</th>
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<th>Speed (km/h)</th>
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DYNAMIC MASS for Prime mover

![Graph showing data readings](image)

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Air suspension basics

- Pressure to Weight relationship
  \[ P = \frac{W}{A} \]

- Area is nominally fixed in air suspension
  - Nominal linear relationship between air pressure and vehicle mass
  \[ W = PA \]

Graph showing:
- Channel A91321 Record No. 6D at Lat/Lon -33.703335 147.518475
- 096 Kph on heading 198 degrees at 20561 Kg Gross

Graph parameters:
- GRP1 Damping ratio = 0.07
- GRP2 Damping ratio = 0.09

Frequency after trigger:
- GRP1 = 1.74 Hz
- GRP2 = 1.67 Hz

Graph notes:
- Read No. at 24 mSec intervals
- with 2 secs pretrigger data
- Google Earth reference: ZA6D-42109-96
- Utc Date: 15/04/2015 09:07:23
Google map of BUMP Locations
Any Questions?