



# Institute of Road Transport Engineers of New Zealand

'Australian Operators seeking  
Accreditation'

John Welsh



# Accreditation

- National Heavy Vehicle Accreditation Scheme (NHVAS)
  - Mass
    - Higher Mass Limits
    - Concessional Mass Limits
  - Maintenance
  - Fatigue



# What is Mass Management

- Higher mass limits on accredited vehicles.
- Procedures that demonstrate control of the loading and associated management processes.
- Can demonstrate internal audit and review.

# What is Maintenance Management



- Procedures that demonstrate use and control of the maintenance of vehicles and suspension systems.
- Pre trip inspections, reporting of defective vehicles, scheduled maintenance
- Can demonstrate internal audit and review.



# Mass & Maintenance Management

- Vehicles are identified by one of these stickers on the vehicle. (mass has a blue label and maintenance a yellow)





# Standards of Mass Management

- 1. Responsibilities
- 2. Vehicle Control
- 3. Vehicle Use
- 4. Records and Documentation
- 5. Verification
- 6. Internal Audit
- 7. Training and Education
- 8. Suspension Maintenance (CML only)



# Standards applicable for Maintenance Management

- 1. Daily pre trip inspection and record result
- 2. Fault Recording and Reporting
- 3. Fault Repair
- 4. Maintenance Schedules and Methods
- 5. Records and Documentation
- 6. Responsibilities
- 7. Internal Audits
- 8. Training and Education.



# Operational Procedures

- A system that produces independent evidence (to the regulators via audits) that the vehicles maintenance and mass limits (axle and gross) is being followed,
- Puts responsibility on the company for meeting the required performance standards;
- Places responsibility on the company to show that the systems has been achieved and maintained.





# Mass Management - Key Documentation

- Daily work sheets
- Loading sheet
- Interception reports
- System Failure reports
- Corrective action reports
- Management minutes
- Internal and External audit reports
- Training Records



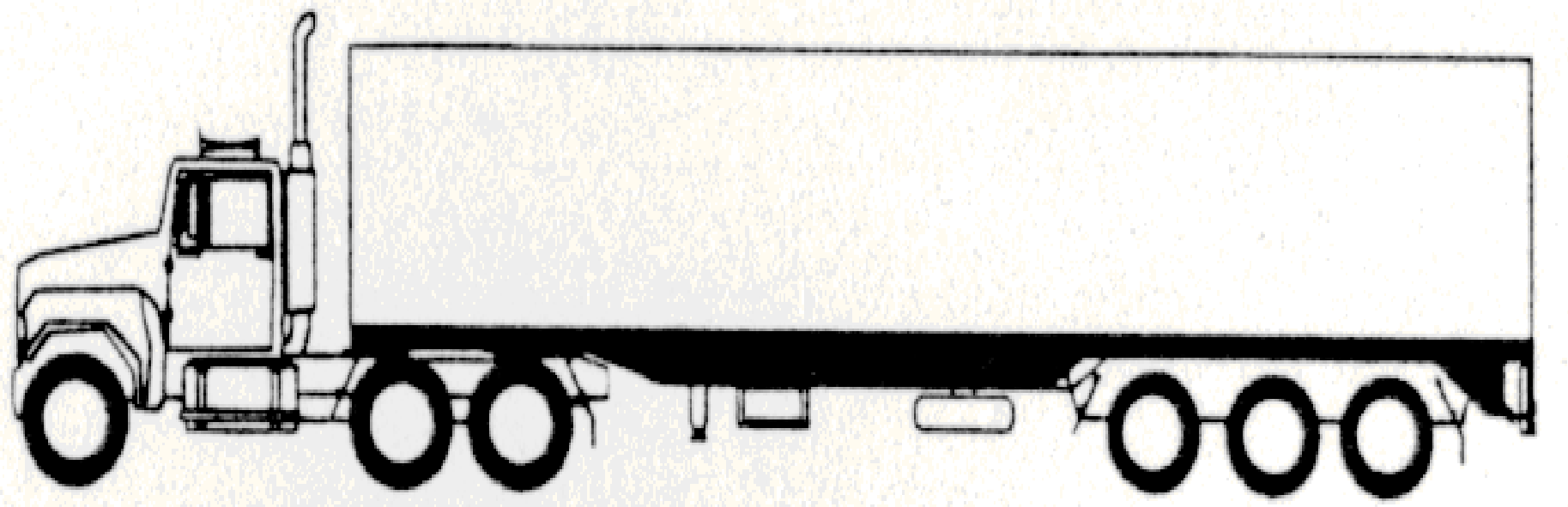
# Maintenance Management - Key Documentation

- Pre trip inspection report
- Defective vehicle report
- Interception reports
- Maintenance records and copy of agreement with dealer
- System Failure reports
- Corrective action reports
- Management minutes
- Internal and External audit reports
- Training Records



# Mass Management -

## *Higher Mass Limits*



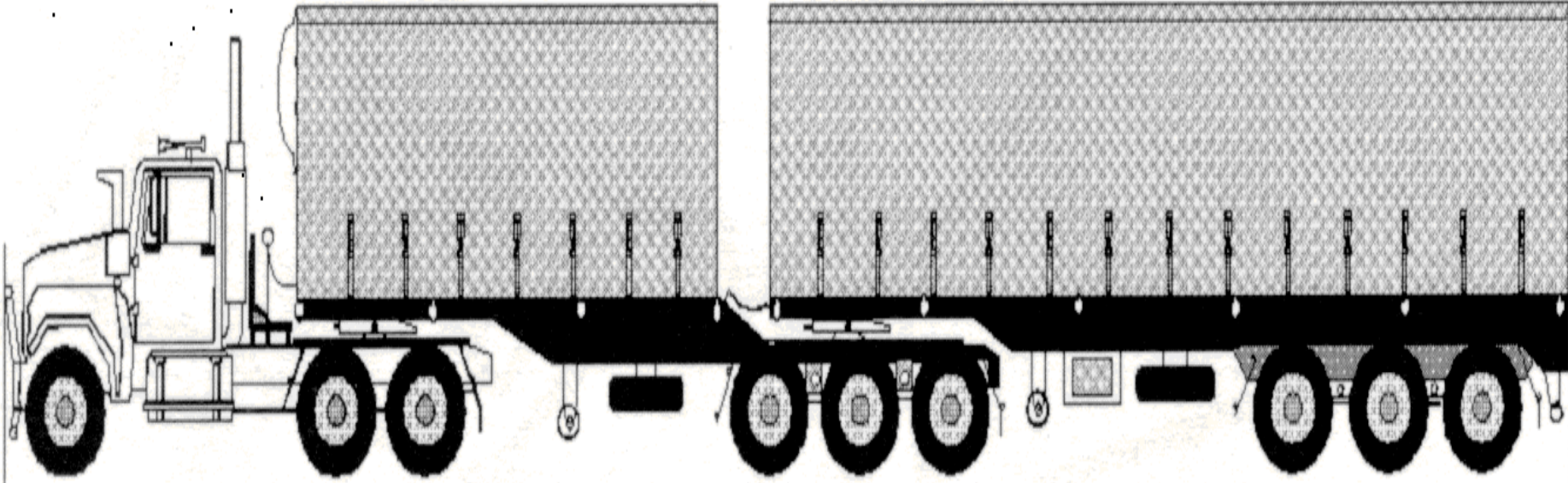
**6.0t**

**17.0t**

**22.5t = 45.5t**



# Mass Limits – B-double



**6.0t**

**17.0t**

**22.5t**

**22.5t = 68.0t**



# Internal Auditor

- Develop and maintain audit schedule,
- Undertake and record audits as per program,
- Review and report instances of system failure and corrective actions to management.



# Management

- Overall responsibility for obtaining and keeping mass and maintenance accreditation,
- Training staff,
- Keeping all required records (mass, maintenance, rosters, medical and training)
- Reviewing system failure and corrective actions,
- Arranging for Internal Audits to be conducted
- Arrange for external audits to be conducted.



# Benefits

- Increased mass on some roads and only in some states
- No annual roadworthy inspections
- Regulators can use their limited resources to target non compliant operators
- Reduces enforcement costs
- Places the obligation to comply onto operators



# Costings

- Develop procedures \$600-\$1000
- Implement procedures including systems and paperwork \$500-\$1000
- Undergo 'on entry' audit \$600-\$1000
- Accreditation \$68 operator registration
  - \$23 per vehicle/trailer
- Train staff @ \$200 approx per driver
- Compliance audit \$600-\$1000 per audit